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Santa Monica-Malibu Unified School District

Asbestos, Lead, and PCB Abatement Closeout Report

Edison Language Academy

2425 Kansas Avenue

Santa Monica, California

July 17, 2015

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Mr. Stuart Sam, Director of Facility Improvement Projects
Santa Monica-Malibu Unified School District
1651 Sixteenth Street
Santa Monica, California 90404

Subject:
Asbestos, Lead, and PCB Abatement Closeout Report
Edison Language Academy
2425 Kansas Avenue
Santa Monica, California

Date:
July 17, 2015

Contact:
Phil Skorge

Phone:
562.496.3013

Email:
Phil.Skorge@arcadis-us.com

Our ref:
CM011144.0031

Dear Mr. Sam:

ARCADIS U.S., Inc. (ARCADIS) is pleased to present this report for conducting abatement oversight of asbestos-containing materials (ACMs), lead-based paint (LBP), and polychlorinated biphenyls (PCBs) during the demolition of Edison Language Academy (ELA; the Site) Buildings A-H, J, M, N, P, Q, R, courtyard, and covered walkways throughout the school site located in Santa Monica, California.

Abatement oversight and monitoring were generally performed in accordance with procedures outlined in the *Work Plan for Asbestos, Lead-Based Paint, and PCB Abatement*, prepared by ARCADIS and dated November 18, 2014. The abatement oversight and monitoring work plan is based on the following information provided in the following reference documents:

- *Hazardous Materials Survey Report* prepared by ATC Associates, Inc., dated May 15, 2009
- *Asbestos Abatement Work Plan* prepared by Matrix Environmental, Inc. (Matrix; no dated provided)
- *Lead Work Plan* prepared by Matrix, dated November 13, 2014
- *PCB Abatement Work Plan* prepared by Matrix, dated November 14, 2014
- *Site-Specific PCB-Related Remediation Plan* prepared by Environ International Corporation (Environ), dated November 21, 2014

The abatement activities were performed by Matrix under contract to the Santa Monica-Malibu School District (SMMUSD). ARCADIS was separately contracted by SMMUSD to provide oversight and document that all abatement activities were performed in accordance with applicable regulations and requirements. This report supplements Matrix's closeout package submitted on June 22, 2015, which contains

company licenses, employee certifications, regulatory notifications, daily field reports, waste manifests, and safety documentation.

The ACMs consisted of fire doors, chalkboard mastics, vinyl floor tiles, drywall and joint compound, roof mastic, carpet mastic, and Transite™ piping. The LBPs, lead-containing paints (LCPs) and other materials containing lead consisted of window frames, window sills, window casings, door frames, door sills, doors, metal gutters, flag poles, wood fascia, wood louvers, chalkboard frames, cast iron sinks, metal downspouts, and ceramic tiles. Building materials containing PCBs included window caulking, sink caulking, and paint chips.

This report includes project information, ARCADIS' scope of services, project summary, and conclusions. Attachment A presents ARCADIS' limitations and service constraints.

Project Information

The SMMUSD owns and operates the Site, located at 2425 Kansas Avenue in the City of Santa Monica in Los Angeles County, California. The Site is bounded by Pico Boulevard to the south, Stewart Street to the east, Cloverfield Boulevard to the west, and Virginia Avenue to the north.

The buildings that were abated and demolished were associated with the former Edison Elementary School (EES) located at the southern portion of the property. According to available information, the earliest buildings were constructed in 1950 with subsequent buildings constructed in 1951, 1954, and 1969. In 1993, new relocatable classroom buildings were added, and many existing buildings were renovated. An addition to Building C (the library) was constructed in 2000. SMMUSD has constructed a replacement school, the ELA, and no longer uses the original EES buildings at the Site. Therefore, demolition of EES, including Building C, was performed. The work completed herein was for the abatement of asbestos-, lead-, and PCB-containing materials on the former EES campus. See Figure 1 for site location and layout.

The abatement oversight and air monitoring activities were performed from November 20 to December 5, 2014, December 22 to December 29, 2014, and January 7 to January 8, 2015. Attachment B summarizes the work activities performed by Matrix and ARCADIS over the course of the project, work locations, and days air samples and/or work area clearances were performed.

Approach to Air Monitoring

In accordance with regulatory requirements, ambient/background air sampling was performed around the work area perimeters (e.g., ingress/egress points, high-efficiency particulate filter [HEPA] filter exhausts) for analysis of ACMs and lead. Air clearance sampling for ACMs was conducted in contained, regulated work areas using National Institute of Occupational Safety and Health (NIOSH) Method 7400 by Phase Contrast Microscopy (PCM) analysis. All asbestos and lead clearance samples were collected in accordance with the recommendations of the United States Environmental Protection Agency (EPA) for public building re-occupancy, even though the structures were to be demolished.

As a precautionary measure, perimeter and fenceline air samples were collected and analyzed for ACMs, lead, and PCBs at locations near the work area boundary. The following sampling approach was used:

- Perimeter air sampling stations were established between the abatement work areas and the fence line. Fenceline monitoring stations were established at the nearest buildings being occupied during normal school hours and at areas adjacent to the surrounding community.

- Air samples were collected at the fenceline locations based on site activity at various locations using a weather station to determine wind direction and velocity. At a minimum, three samples were collected daily at specific locations based on the field activities to document upwind and downwind lead or asbestos concentrations in air. In addition, three air samples per day for PCB analysis were collected during two individual days when PCB abatement activities occurred. Data recorded on site with a weather station documented that the winds during the abatement activities were primarily from the southwesterly direction. Weather station data are provided in Attachment C.

Samples were analyzed for ACMs using NIOSH Method 7400 by PCM analysis, lead using EPA Method 7082, and PCBs using TO-4A. Data were compared to established regulatory action levels that are protective of site workers and the community. The specific action levels are presented in the *Work Plan for Asbestos, Lead-Based Paint, and PCB Abatement* (ARCADIS 2014).

Asbestos Abatement

ARCADIS representatives Mr. Steven Sanchez, a California Department of Occupational Safety and Health (DOSH) Site Surveillance Technician (CSST) No. 12-4942, and Mr. Arthur Ackerman, a DOSH Certified Asbestos Consultant (CAC) No. 074227 were on site to observe ACM abatement work practices and to perform project oversight duties. A copy of the inspectors licenses is provided in Attachment D.

Project oversight duties included but were not limited to the following:

- Field review of contractor submittals, including registrations and asbestos licenses, notifications, as well as worker qualifications;
- Pre-abatement visual inspection of work area containments, smoke testing containments to confirm no leakage and adequate negative pressure is maintained within the containment;
- Continuous inspection and observation of enclosures, barriers, surfaces, and containments during asbestos removal;
- Periodic containment inspections throughout the abatement project;
- Collection of ambient/background air sampling around the work area perimeters for analysis of asbestos; and
- Air clearance sampling post-abatement in contained, regulated work areas using NIOSH Method 7400 by PCM analysis.

During soil removal and grading activities performed on December 17, 2014, suspect ACM-containing cement pipe (transite) was uncovered. Samples collected from the pipe confirmed the presence of 17 percent asbestos in the cement pipe. A Procedure 5 Work Plan for Abatement Work was subsequently prepared and filed with the South Coast Air Quality Management District (SCAQMD) on December 30, 2014. Following approval from SCAQMD, Matrix performed removal and disposal of the transite pipe in accordance with the Procedure 5 Work Plan, with oversight and monitoring by ARCADIS. Copies of the Procedure 5 Work Plan and notification are provided within Matrix's closeout package.

ARCADIS performed final visual inspections and air sampling to verify that the designated ACMs had been removed from the work areas. ARCADIS' Pre-Abatement Checklists, Post-Abatement Checklists, and Daily Field Reports of project monitoring are provided in Attachment E. Representative photographs of the project work are provided in Attachment F.

ARCADIS observed Matrix's operations to document that the removal activities were conducted in compliance with applicable EPA, Occupational Safety and Health Administration (OSHA), and State of California regulations.

All ACMs were appropriately removed, containerized, and transported to an approved landfill for disposal. The quantity of materials abated is listed in the Matrix closeout report.

Asbestos Abatement Air Monitoring Testing and Methodology

Upon completion of asbestos abatement and detailed cleaning activities in the work areas, ARCADIS performed visual inspections to confirm that no suspect visible asbestos-containing debris remained and that the work areas were clean and dry.

Subsequent to the successful final visual inspection in each work area, final clearance air samples and perimeter air samples were collected in general accordance with applicable federal and state regulations governing asbestos.

Perimeter asbestos air samples were collected during abatement using a battery-operated low-flow personal sampling pump with 25-millimeter (mm) conductive cowl on cassette and flexible tubing. The sampling pump was calibrated to a specific flow rate, in liters per minute, and calibrated before and after sampling to verify the sampling flow rate. Sampling pumps were set upwind, downwind, and in locations adjacent to the work areas. Final clearance air samples were collected post-abatement wherever work occurred indoors or if a negative pressure enclosure was used for material abatement. Final clearance samples were collected using a high-flow sampling pump with 25-mm conductive cowl on cassette and flexible tubing. Sampling pumps were calibrated using a secondary standard calibration tool, which was calibrated against the primary standard. Sample calibration data are provided in Attachment E.

After sampling, the media were labeled, sealed, and submitted for analysis using appropriate chain-of-custody procedures to LA Testing, an American Industrial Hygiene Association-accredited laboratory. Field blanks were submitted to the laboratory for quality control purposes.

The perimeter and final air samples were analyzed via NIOSH Method 7400. Final clearance samples were reported less than or equal to 0.01 fiber per cubic centimeter (f/cc) of air, which is the EPA post-abatement clearance criterion. Perimeter air sampling was reported less than or equal to 0.1 f/cc of air, which is the OSHA

Permissible Exposure Limit. Analytical data for the asbestos air samples collected are provided in Attachment G. Figures 2 and 3 depict the locations of perimeter air samples and final clearance samples, respectively.

Lead-Based Paint Abatement

ARCADIS representative Mr. Steven Sanchez, a California Department of Public Health (CDPH) Certified Sampling Technician No. 24606 was on site to observe lead abatement work practices and to perform project oversight duties. A copy of the inspector's license is provided in Attachment D.

Project oversight duties included but were not limited to the following:

- Field review of contractor submittals, including registrations and lead licenses, notifications, as well as worker qualifications;
- Pre-abatement visual inspection of work area containments, smoke testing containments to confirm no leakage and adequate negative pressure is maintained within the containment;
- Continuous inspection and observation of enclosures, barriers, surfaces, and containments during lead removal;
- Periodic containment inspections throughout the abatement project;
- Collection of ambient/background air sampling around the work area perimeters for analysis of lead; and
- Clearance surface wipe sampling post-abatement using EPA Method SW-846-7000B.

ARCADIS performed final visual inspections and air sampling to verify that the LBPs, LCPs, and other materials containing lead had been removed from the work areas. ARCADIS' pre-abatement checklists, post-abatement checklists, and daily field reports of project monitoring are provided in Attachment E. Representative photographs of the project work are provided in Attachment F.

ARCADIS observed Matrix's operations to document that the removal activities were conducted in compliance with applicable EPA, OSHA, and State of California regulations. ARCADIS observed that Matrix removed and handled the LBPs, LCPs, and other materials containing lead in accordance with federal, state, and local regulations.

All lead-containing materials and LBPs were appropriately removed, containerized, and transported to an approved landfill for disposal. The quantity of materials abated is summarized in the Matrix closeout report.

Lead Abatement Surface Wipe and Air Monitoring Testing and Methodology

Upon completion of lead abatement and detailed cleaning activities in the work areas, ARCADIS performed visual inspections to confirm that no visible lead-containing debris remained and that the work areas were clean and dry.

Subsequent to the successful final visual inspection in each work area, perimeter air samples and final surface wipe clearance samples were collected in general accordance with applicable federal and state regulations governing lead.

Perimeter lead air samples were collected during abatement using a battery-operated low-flow personal sampling pump with 0.8-micrometer (µm) cellulose ester membrane in a 37-mm-diameter cassette filter holder. The sampling pump was calibrated to a specific flow rate, in liters per minute, before and after sampling with a rotameter to verify the sampling flow rate. Sampling pumps were set upwind, downwind, and in locations adjacent to the work areas. Sampling pumps were calibrated using a secondary standard calibration tool, which was calibrated against the primary standard.

After sampling, the media were labeled, sealed, and submitted for analysis using appropriate chain-of-custody procedures to LA Testing, an American Industrial Hygiene Association-accredited laboratory. Field blanks were submitted to the laboratory for quality control purposes.

The perimeter air samples were analyzed via NIOSH Method 7082. Based on the analytical reports, all perimeter samples reported lead at concentrations below the laboratory reporting limits, which ranged from 2.1 to 7.2 micrograms per cubic meter of air (µg/m^3). All perimeter air sampling concentrations were less than 50 µg/m^3, which is the OSHA Permissible Exposure Limit.

Final clearance surface wipe samples were collected post-abatement to determine the effectiveness of fine cleaning in the work area. The sampled area was outlined with tape with the surface area between 1/10 and 2 square feet. A pre-packaged wipe was removed and wiped across the sample area in an S-shaped motion. Once two passes across the outlined sample area are completed, the wipe is folded and placed in a

ridged sampling container, labeled, and transported under strict chain-of-custody protocol to LA Testing.

Final clearance surface wipe samples were analyzed via ASTM International (ASTM) Method 7000B Flame Atomic Absorption Spectrophotometry. Clearance wipe samples were reported less than 40 micrograms per square foot ($\mu g/ft^2$), which is the EPA post-abatement clearance criterion for indoor floor surfaces.

Analytical data for the perimeter air samples and clearance wipe samples are provided in Attachment G. Figures 4 and 5 depict the locations of perimeter air sample(s) and final clearance surface wipe sample(s), respectively.

PCB Abatement

A PCB survey performed by Environ identified PCBs at concentrations above 50 parts per million (ppm) in window caulking of specific window frames within Building C (the former Library). Materials in this building must be managed and disposed of as PCB-containing wastes in accordance with EPA Toxic Substances Control Act (TSCA) regulations. Environ developed protocols for managing these materials in a Remediation Plan dated November 21, 2014. The Remediation Plan was approved by the EPA, and notice to proceed with remediation was provided in an email by Environ (E. Wood, personal email communication, December 12, 2014). A copy of the email is provided in Attachment H. Matrix performed the abatement of PCB-containing materials in Building C in accordance with the approved Remediation Plan. The specific procedures for PCB abatement will be documented in a separate PCB Abatement Report for submittal to EPA.

The PCB survey performed by Environ also identified PCBs at concentrations greater than 1 ppm and less than 50 ppm in sink caulk and paint chips on the metal canopy poles. PCB concentrations at greater than 1 ppm and less than 50 ppm are considered to be non-TSCA regulated materials; therefore, requirements for management of TSCA waste do not apply to managing these building materials. Environ recommended use of general precautions associated with managing hazardous materials in buildings. In addition, Environ recommended that these materials be transported to a licensed landfill permitted to accept materials with PCBs less than 50 ppm.

Although not required by EPA, air samples were collected for PCB analysis at specific locations at the work area perimeter and the fence line. The additional sampling was conducted as a precautionary measure to measure and document there were no detected risk levels of PCBs to the surrounding community.

Abatement and removal of the canopy poles was performed from December 2 to December 4, 2014, and abatement of PCB-containing materials in Building C was conducted on December 22 and 23, 2014. ARCADIS representative Mr. Steven Sanchez was on site to observe the PCB abatement work practices and to perform project oversight duties.

Project oversight duties included but were not limited to the following:

- review of contractor submittals and worker qualifications;
- continuous inspection and observation of work during PCB removal; and
- collection of ambient/background air sampling around the work area perimeters for analysis of PCBs.

ARCADIS performed final visual inspections to verify that the designated PCBs had been removed from the work areas. ARCADIS' Pre-Abatement Checklists, Post-Abatement Checklists, and Daily Field Reports of project monitoring are provided in Attachment E. Representative photographs of the project work are provided in Attachment F.

ARCADIS observed Matrix's operations to document that the removal activities were conducted in compliance with applicable EPA, OSHA, and State of California regulations.

All PCB materials were appropriately removed, containerized, and transported to an approved landfill for disposal. The quantity of materials abated is listed in the Matrix closeout report.

PCB Air Monitoring Testing and Methodology

Perimeter air samples were collected in general accordance with applicable federal and state regulations governing the removal of PCBs from the work area. With concurrence from SMMUSD and Parsons, ARCADIS collected one set of samples during the removal of the PCB canopy poles and one set of samples during the PCB abatement at Building C.

Perimeter PCB air samples were collected during abatement using a high volume sampler equipped with a quartz-fiber filter and polyurethane foam (PUF) cartridge. Sampling included calibration of the high volume sampler, installation of the PUF and filter, and subsequent operation of the sampler. Calibration was performed per the manufacturer's requirements.

Sampling pumps were set upwind, downwind, and in locations adjacent to the work areas. Sampling pumps were calibrated using a secondary standard calibration tool, which was calibrated against the primary standard.

The perimeter air samples were analyzed via ASTM Method TO-4A for the Determination of Toxic Organic Compounds in ambient air. Based on the analytical reports, all perimeter samples reported non-detectable concentrations of PCBs (i.e., concentrations at below the laboratory reporting limits of 0.0045 µg/m^3). The PCB concentrations are well below the NIOSH relative air exposure limit of 1 µg/m^3.

Analytical data for the perimeter air samples are provided in Attachment G. Figure 6 depicts the locations of perimeter air samples.

Conclusions

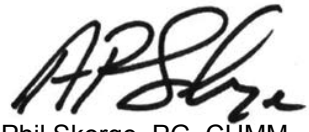
Based on visual observations, results of perimeter air sampling for asbestos, lead, and PCBs, clearance air sampling for asbestos, and clearance surface wipe samples for lead, ARCADIS determined that the abatement effort conducted at the Site was complete and effective. All asbestos-containing, lead-containing, and PCB materials were appropriately removed, containerized, and transported to an approved landfill for disposal. The quantity of materials abated can be found in the Matrix closeout report.

Thank you for your time and consideration. Please do not hesitate to call if you have questions regarding the results of this Closeout Report or require additional information.

Sincerely,

ARCADIS U.S., Inc.

Jeffery Johnson, CAC
Environmental Scientist | Associate Project Manager
California Certified Asbestos Consultant No: 03-3483



Phil Skorge, PG, CHMM
Project Manager

References

ARCADIS. 2014. Work Plan for Asbestos, Lead-Based Paint, and PCB Abatement, Edison Language Academy, 2425 Kansas Avenue, Santa Monica, California. November 18.

ATC Associates, Inc. 2009. Hazardous Materials Survey Report of Edison Elementary School, Santa Monica-Malibu Unified School District, 2425 Kansas Avenue, Santa Monica, California 90404. May 15.

Environ International Corporation. 2014. Site-Specific PCB-Related Remediation Plan, Building C (Library), Edison Elementary School, 2425 Kansas Avenue, Santa Monica, CA. November 21.

Matrix. No date provided. Asbestos Abatement Work Plan, Edison Language Academy, 2425 Kansas Avenue, Santa Monica, California 90404.

Matrix. 2014a. Lead Work Plan, Edison Language Academy, 2425 Kansas Avenue, Santa Monica, California 90404. November 13.

Matrix. 2014b. PCB Abatement Work Plan, Edison Language Academy, 2425 Kansas Avenue, Santa Monica, California 90404. November 14.

Attachments

Tables:

- Table 1 – Asbestos Perimeter Air Sample Results
- Table 2 – Asbestos Clearance Air Sample Results
- Table 3 – Lead Perimeter Air Sample Results
- Table 4 – Lead Clearance Surface Wipe Sample Results
- Table 5 – PCB Air Sample Results (Method TO-4A)

Figures:

- Figure 1 – Site Location Map
- Figure 2 – Asbestos Air Sample Locations
- Figure 3 – Asbestos Clearance Air Sample Locations
- Figure 4 – Lead Air Sample Locations
- Figure 5 – Lead Clearance Surface Wipe Sample Locations
- Figure 6 – PCB Air Sample Locations

Attachments:

Attachment A – ARCADIS Limitations and Service Constraints
Attachment B – Work Activity Summary
Attachment C – Weather Station Data
Attachment D – Inspector Licenses
Attachment E – Daily Field Reports, Pre- and Post-Abatement Checklists
Attachment F – Site Photographs
Attachment G – Analytical Laboratory Results
Attachment H – EPA Remediation Plan Approval Email (E. Wood, personal communication, December 12, 2014)

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Tables

Table 1 - Asbestos Perimeter Air Sample Results
Santa Monica, California

Sample Number	Sample Date	Sample Location	Volume (L)	Asbestos Concentration (f/cc)	OSHA PEL (f/cc)
1	11/21/2014	Building B - South	960	<0.002	0.1
2	11/21/2014	Building B - West	960	<0.002	0.1
3	11/21/2014	Building B - East	960	<0.002	0.1
4	11/21/2014	Building B - North	960	<0.002	0.1
A-3	11/24/2014	Building B - South	1800	<0.001	0.1
A-4	11/24/2014	Building B - West	1800	<0.001	0.1
A-5	11/24/2014	Building B - North	1800	<0.001	0.1
A-6	11/24/2014	Building B - East	1800	<0.001	0.1
A-7	11/24/2014	East Campus	1320	<0.002	0.1
A-8	11/24/2014	Northeast Campus	1320	<0.002	0.1
A-3	11/25/2014	Building H-R Walkway - South	1200	<0.002	0.1
A-4	11/25/2014	Building H - West	1200	<0.002	0.1
A-5	11/25/2014	Building H - North	1200	<0.002	0.1
A-6	11/25/2014	Building R - East	1200	<0.002	0.1
A-7	11/25/2014	Northeast Campus	1200	<0.002	0.1
A-8	11/25/2014	Southeast Campus	1200	<0.002	0.1
A-9	11/25/2014	Southwest Campus	1200	<0.002	0.1
A-10	11/25/2014	Northwest Campus	1200	<0.002	0.1
A-8	11/26/2014	Building F - South	600	<0.005	0.1
A-9	11/26/2014	Building Q - East	600	0.005	0.1
A-10	11/26/2014	Building Q - North	600	<0.005	0.1
A-11	11/26/2014	Building Q - West	600	<0.005	0.1
A-12	11/26/2014	Northeast Campus	600	<0.005	0.1
A-13	11/26/2014	Southeast Campus	600	<0.005	0.1
A-14	11/26/2014	Northwest Campus	600	<0.005	0.1
A-15	11/26/2014	Southwest Campus	600	<0.005	0.1
ELA-AIR1-112914	11/29/2014	Outside Building - East	638	<0.004	0.1
ELA-AIR2-112914	11/29/2014	Outside Building - South	634	<0.004	0.1
ELA-AIR3-112914	11/29/2014	Outside Building - West	663	<0.004	0.1
ELA-AIR4-112914	11/29/2014	Outside Building - North	631	<0.004	0.1
A-3	12/24/2014	Southeast Fence line (Upwind)	600	<0.005	0.1
A-4	12/24/2014	South Fence line (Upwind)	600	<0.005	0.1
A-5	12/24/2014	Northeast Fence line (Downwind)	600	<0.005	0.1
A-6	12/24/2014	North Fence line (Downwind)	600	<0.005	0.1

Table 1 - Asbestos Perimeter Air Sample Results
Santa Monica, California

Sample Number	Sample Date	Sample Location	Volume (L)	Asbestos Concentration (f/cc)	OSHA PEL (f/cc)
A-7	12/24/2014	Decon Chamber	600	<0.005	0.1
A-8	12/24/2014	Building C - East (Negative Air Exhaust)	600	<0.005	0.1
A-9	12/24/2014	Building C - North	600	<0.005	0.1
A-10	12/24/2014	Building C - West	600	<0.005	0.1
A-3	12/25/2014	Southeast Fence line (Upwind)	1350	<0.002	0.1
A-4	12/25/2014	South Fence line (Upwind)	1350	<0.002	0.1
A-5	12/25/2014	Northeast Fence line (Downwind)	1350	0.005	0.1
A-6	12/25/2014	North Fence line (Downwind)	1350	<0.002	0.1
A-7	12/25/2014	Decon Chamber	1350	<0.002	0.1
A-8	12/25/2014	Building C - East (Negative Air Exhaust)	1350	<0.002	0.1
A-9	12/25/2014	Building C - North	1350	<0.002	0.1
A-10	12/25/2014	Building C - West	1350	<0.002	0.1
1715-1	1/7/2015	Downwind - East	600	<0.005	0.1
1715-2	1/7/2015	Upwind - West	600	<0.005	0.1
1715-3	1/7/2015	Northeast Fence line (Downwind)	600	<0.005	0.1
1715-4	1/7/2015	Southwest Fence line (Upwind)	600	<0.005	0.1
1815-1	1/8/2015	Downwind	600	<0.005	0.1
1815-2	1/8/2015	Upwind	600	<0.005	0.1
1815-3	1/8/2015	Northeast Fence line	900	<0.003	0.1
1815-4	1/8/2015	Southwest Fence line	900	<0.003	0.1

Notes:

L = Liters

f/cc = fibers of asbestos per cubic centimeter of air

OSHA = Occupational Safety and Health Administration

PEL = permissible exposure limit

Table 2 - Asbestos Clearance Air Sample Results
Santa Monica, California

Sample Number	Sample Date	Sample Location	Volume (L)	Asbestos Concentration (f/cc)	EPA Clearance (f/cc)
A-11	11/25/2014	Building B Walkway - Center	1200	<0.002	0.01
A-12	11/25/2014	Classroom 11	1260	<0.002	0.01
A-13	11/25/2014	Classroom 10	1260	<0.002	0.01
A-14	11/25/2014	Classroom 9	1260	<0.002	0.01
A-15	11/25/2014	Classroom 8	1260	<0.002	0.01
A-16	11/25/2014	Classroom 7	1260	<0.002	0.01
A-3	11/26/2014	Building H-R Walkway - Center	1260	0.004	0.01
A-4	11/26/2014	Building H - Center	1260	<0.002	0.01
A-5	11/26/2014	Building R - Center	1260	0.002	0.01
A-6	11/26/2014	Building J - Center	1260	<0.002	0.01
A-7	11/26/2014	Building F - Center	1260	0.005	0.01
3	12/1/2014	Building P - Center	1260	<0.002	0.01
4	12/1/2014	Building G - Center	1260	<0.002	0.01
5	12/1/2014	Building Q - Center	1260	<0.002	0.01
A-3	12/29/2014	Building C - North	1260	<0.002	0.01
A-4	12/29/2014	Building C - East	1260	0.004	0.01
A-5	12/29/2014	Building C - West	1260	<0.002	0.01
A-6	12/29/2014	Building C - South	1260	0.004	0.01

Notes:

L = Liters

F/cc = fibers of asbestos per cubic centimeter of air

EPA = United States Environmental Protection Agency

OSHA = Occupational Safety and Health Administration

PEL = permissible exposure limit

Table 3 - Lead Perimeter Air Sample Results
Santa Monica, California

Sample Number	Sample Date	Sample Location	Volume (L)	Lead Concentration ($\mu g/m^3$)	OSHA PEL ($\mu g/m^3$)
1	11/20/2014	Building B - East	960	<4.2	50
2	11/20/2014	Building B - South	960	<4.2	50
3	11/20/2014	Building B - West	960	<4.2	50
4	11/20/2014	Building B - North	960	<4.2	50
5	11/20/2014	Building R - Southeast	960	<4.2	50
6	11/20/2014	Building R - Northwest	960	<4.2	50
7	11/20/2014	Northeast Campus	960	<4.2	50
8	11/20/2014	Southwest Campus (Upwind)	960	<4.2	50
1	11/21/2014	Building H - North	1920	<2.1	50
2	11/21/2014	Building J - West	1920	<2.1	50
3	11/21/2014	Building D - East	1920	<2.1	50
4	11/21/2014	North Campus	1920	<2.1	50
5	11/21/2014	Building A - East	1920	<2.1	50
6	11/21/2014	Building A - South	1920	<2.1	50
7	11/21/2014	Building A - West	1920	<2.1	50
8	11/21/2014	Southeast Campus	1920	<2.1	50
L-1	11/24/2014	Building A - East	1920	<2.1	50
L-2	11/24/2014	Building A - South	1920	<2.1	50
L-3	11/24/2014	Building A - West	1920	<2.1	50
L-4	11/24/2014	Building A - North	1920	<2.1	50
L-5	11/24/2014	Northwest Campus	1920	<2.1	50
L-6	11/24/2014	South Campus	1920	<2.1	50
A-3	11/25/2015	Building F - South	1200	<3.3	50
A-4	11/25/2015	Building F - West	1200	<3.3	50
A-5	11/25/2015	Building F - North	1200	<3.3	50
A-6	11/25/2015	Building Q - South	1200	<3.3	50
A-7	11/25/2015	Building Q - East	1200	<3.3	50
A-8	11/25/2015	Southeast Campus	1200	<3.3	50
A-9	11/25/2015	Northeast Campus	1200	<3.3	50
A-10	11/25/2015	Southwest Campus	1200	<3.3	50
ELA-L1-112914	11/29/2014	Northeast Fence line	576	<6.9	50
ELA-L2-112914	11/29/2014	Southeast Fence line	574	<7.0	50
ELA-L3-112914	11/29/2014	Courtyard - Outside Work Area	572	<7.0	50
ELA-L4-112914	11/29/2014	South Fence line	552	<7.2	50
A-3	12/2/2014	Building P - East	1200	<3.3	50
A-4	12/2/2014	Building P-G - East	1200	<3.3	50
A-5	12/2/2014	Southwest Campus	1200	<3.3	50
A-6	12/2/2014	Building G - West	1200	<3.3	50

Table 3 - Lead Perimeter Air Sample Results
Santa Monica, California

Sample Number	Sample Date	Sample Location	Volume (L)	Lead Concentration ($\mu g/m^3$)	OSHA PEL ($\mu g/m^3$)
A-7	12/2/2014	Building P-G - West	1200	<3.3	50
A-8	12/2/2014	Northwest Campus	1200	<3.3	50
A-9	12/2/2014	Northeast Campus	1200	<3.3	50
A-10	12/2/2014	Southeast Campus	1200	<3.3	50

Notes:

L = Liters

$\mu g/m^3$ = micrograms per cubic meter

OSHA = Occupational Safety and Health Administration

PEL = permissible exposure limit

Table 4 - Lead Clearance Surface Wipe Sample Results
Santa Monica, California

Sample Number	Sample Date	Sample Location	Area Sampled (in^2)	Lead Concentration ($\mu g/ft^2$)	EPA Clearance for Interior Floor Surfaces ($\mu g/ft^2$)
1	11/21/2014	Building B - South in Room 7	144	<10	40
2	11/21/2014	Building B - Southeast Room 8	144	<10	40
3	11/21/2014	Building B - Southwest Room 9	144	<10	40
4	11/21/2014	Building B - South Room 10	144	<10	40
5	11/21/2014	Building B - Southeast Room 11	144	<10	40
6	11/21/2014	Building R - Southeast Room 12	144	<10	40
7	11/21/2014	Building H - Southwest Room 13	144	<10	40
8	11/21/2014	Building J - Southeast Room 14	144	<10	40
9	11/21/2014	Building D - East Boys Restroom	144	<10	40
10	11/21/2014	Building D - Southeast Girls Restroom	144	<10	40
LW-1	11/25/2014	Building F - South	144	<10	40
LW-2	11/25/2014	Building A - East Cafeteria	144	<10	40
LW-3	11/25/2014	Building A - West Cafeteria	144	<10	40
LW-4	11/25/2014	Building A - South Kitchen	144	<10	40
LW-5	11/25/2014	Building A - West Room 122B	144	<10	40
LW-6	11/25/2014	Building A - West Room 122B	144	<10	40
LW-7	11/25/2014	Building A - West Room 126	144	<10	40
LW-8	11/25/2014	Building A - West Room 125	144	<10	40
LW-9	11/25/2014	Building A - Southwest Room 127	144	<10	40
LW-10	11/25/2014	Building A - Southwest Room 128	144	<10	40
LW-1	12/2/2014	Building F - North	144	<10	40

Table 4 - Lead Clearance Surface Wipe Sample Results
Santa Monica, California

Sample Number	Sample Date	Sample Location	Area Sampled (in^2)	Lead Concentration ($\mu g/ft^2$)	EPA Clearance for Interior Floor Surfaces ($\mu g/ft^2$)
LW-2	12/2/2014	Building F - East Roof	144	<10	40
LW-3	12/2/2014	Building F - South Room	144	<10	40
LW-4	12/2/2014	Building F - West	144	<10	40
LW-5	12/2/2014	Building M - North	144	<10	40
LW-6	12/2/2014	Building M - East	144	<10	40
LW-7	12/2/2014	Building M - South	144	<10	40
LW-8	12/2/2014	Building E - South	144	<10	40
LW-9	12/2/2014	Building E - West	144	<10	40
LW-10	12/2/2014	Building E - North Roof	144	<10	40
LW-11	12/2/2014	Building N - East	144	<10	40
LW-12	12/2/2014	Building N - South Roof	144	<10	40
LW-13	12/2/2014	Building N - West Room	144	<10	40
LW-14	12/2/2014	Building N - North Room	144	<10	40
LW-15	12/2/2014	Building E - North Room 143	144	<10	40
LW-16	12/2/2014	Building N - Northeast Room 142	144	<10	40
LW-17	12/2/2014	Building N - Southeast Room 140	144	<10	40

Notes:

µg = micrograms

in^2 = inches squared

ft^2 = feet squared

EPA = United States Environmental Protection Agency

Table 5 - PCB Air Sample Results (Method TO-4A)
Santa Monica, California

Sample Number	Sample Date	Sample Location	Volume (L)	Compound	Result ($\mu g/m^3$)	NIOSH REL ($\mu g/m^3$)
H-008	12/4/2014	Southeast Fence line (Upwind)	110,400	Aroclor 1016	ND	1
				Aroclor 1221	ND	1
				Aroclor 1232	ND	1
				Aroclor 1242	ND	1
				Aroclor 1248	ND	1
				Aroclor 1254	ND	1
				Aroclor 1260	ND	1
H-016	12/4/2014	Northeast Fence line (Downwind)	110,400	Aroclor 1016	ND	1
				Aroclor 1221	ND	1
				Aroclor 1232	ND	1
				Aroclor 1242	ND	1
				Aroclor 1248	ND	1
				Aroclor 1254	ND	1
				Aroclor 1260	ND	1
H-030	12/4/2014	North Fence line (Downwind)	110,400	Aroclor 1016	ND	1
				Aroclor 1221	ND	1
				Aroclor 1232	ND	1
				Aroclor 1242	ND	1
				Aroclor 1248	ND	1
				Aroclor 1254	ND	1
				Aroclor 1260	ND	1
H-019	12/23/2014	Southeast Fence line (Upwind)	111,360	Aroclor 1016	ND	1
				Aroclor 1221	ND	1
				Aroclor 1232	ND	1
				Aroclor 1242	ND	1
				Aroclor 1248	ND	1
				Aroclor 1254	ND	1
				Aroclor 1260	ND	1
H-025	12/23/2014	Northeast Fence line (Downwind)	111,360	Aroclor 1016	ND	1
				Aroclor 1221	ND	1
				Aroclor 1232	ND	1
				Aroclor 1242	ND	1
				Aroclor 1248	ND	1
				Aroclor 1254	ND	1
				Aroclor 1260	ND	1

Table 5 - PCB Air Sample Results (Method TO-4A)
Santa Monica, California

Sample Number	Sample Date	Sample Location	Volume (L)	Compound	Result ($\mu g/m^3$)	NIOSH REL ($\mu g/m^3$)
48852	12/23/2014	North Fence line (Downwind)	111,360	Aroclor 1016	ND	1
				Aroclor 1221	ND	1
				Aroclor 1232	ND	1
				Aroclor 1242	ND	1
				Aroclor 1248	ND	1
				Aroclor 1254	ND	1
				Aroclor 1260	ND	1

Notes:

TO = toxic organic

L = Liters

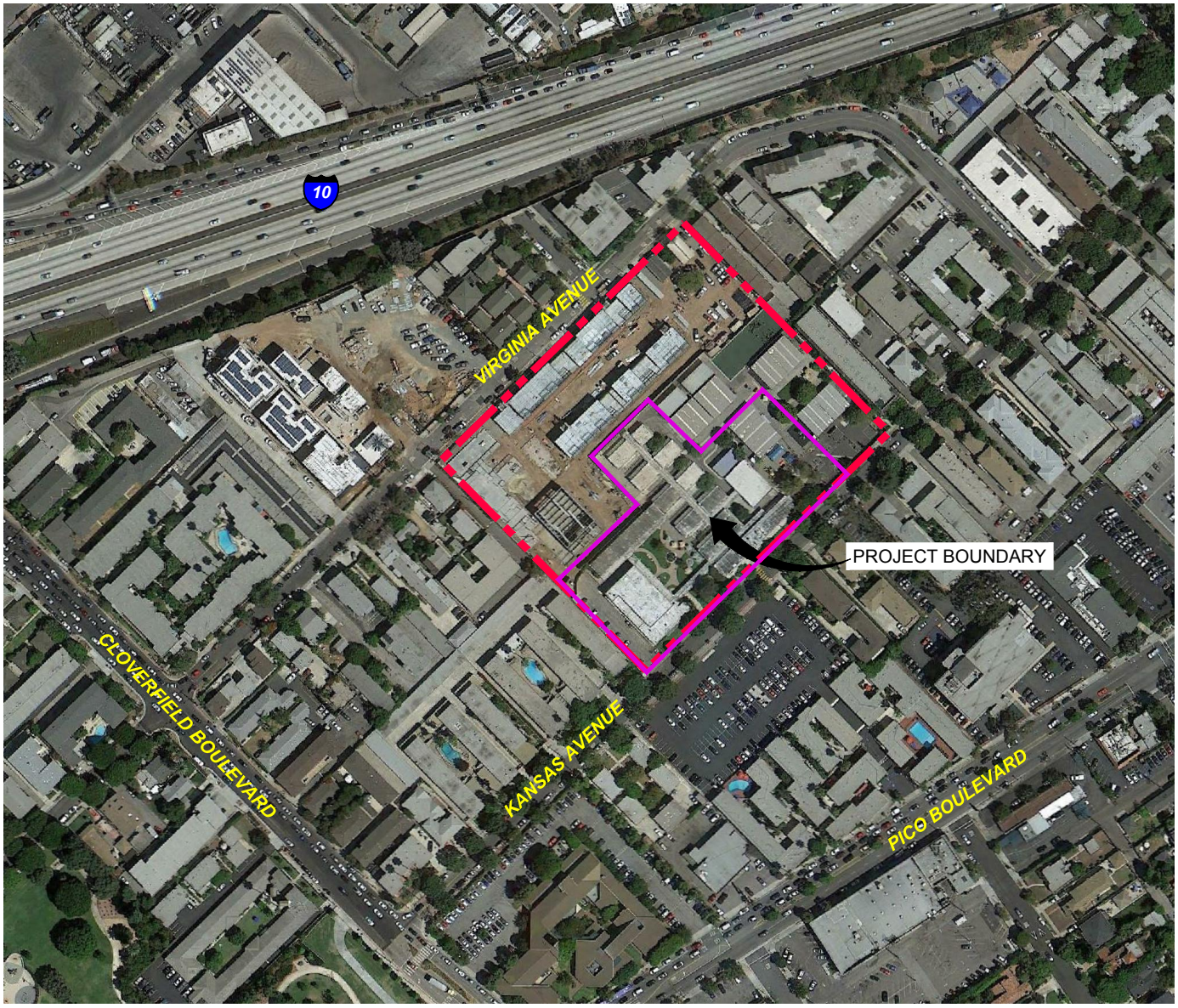
µg = micrograms

m^3 = cubic meter of air

NIOSH = National Institute of Occupational Safety and Health

REL = relative exposure limit

Figures

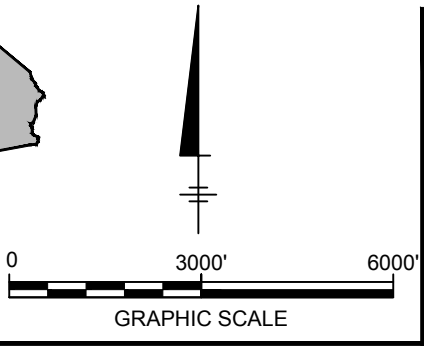


MAP SOURCE: Google Earth Pro™ 2013, 34°01'26.62"N, 118°27'54.03"W

LEGEND:

EDISON LANGUAGE ACADEMY CAMPUS

BUILDING ABATEMENT AREA



EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY:COSTA MESA DIV/GROUP:ENV_CAD DB:CAD G:\ENVCAD\Irvine\ACT\CM011144\CM011144.0000 SLM.dwg LAYOUT: 3 SAVED: 2/4/2015 10:19 AM ACADVER: 18.1S (LMS TECH) PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/13/2015 2:04 PM BY: LOVING, JEFF

CITY:IRVINE DIV/GROUP:ENVCAD DB:E.MURESAN PM: P. SKORGE
G:\ENVCAD\Irvine\ACTCM\011144\0031\00500\Asbestos Air Samples\CM011144.0031.00500 AAS.dwg LAYOUT: 2 SAVED: 2/4/2015 1:18 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/4/2015 1:19 PM BY: MURESAN, ELENA

VIRGINIA AVENUE

EDISON LANGUAGE ACADEMY CAMPUS

KANSAS AVENUE

BUILDING ABATEMENT AREA

BLDG A
BLDG B
BLDG B EXT.
BLDG C
BLDG C ADDITION
BLDG D
BLDG E
BLDG F
BLDG G
BLDG H
BLDG J
BLDG M
BLDG N
BLDG P
BLDG Q
BLDG R

LOCATION OF ACM PIPE IN CASING

BURIED ACM PIPE

A-10 | 11/26/2014 | ND
A-3 | 11/25/2014 | ND
A-4 | 11/25/2014 | ND
A-10 | 11/25/2014 | ND
A-5 | 11/25/2014 | ND
A-7 | 11/25/2014 | ND
A-8 | 11/24/2014 | ND
A-14 | 11/26/2014 | ND
A-12 | 11/26/2014 | ND
A-6 | 12/24/2014 | ND
A-6 | 12/26/2014 | ND
A-4 | 11/24/2014 | ND
1715-4 | 1/7/2015 | ND
A-5 | 11/24/2014 | ND
5 | 11/21/2014 | ND
4 | 11/21/2014 | ND
6 | 11/21/2014 | ND
A-3 | 11/24/2014 | ND
A-6 | 11/25/2014 | ND
A-5 | 12/24/2014 | ND
A-5 | 12/26/2014 | ND
1715-2 | 1/7/2015 | ND
3 | 11/21/2014 | ND
A-11 | 11/26/2014 | ND
A-9 | 11/26/2014 | ND
A-9 | 12/24/2014 | ND
A-9 | 12/26/2014 | ND
A-6 | 11/24/2014 | ND
A-8 | 11/26/2014 | ND
A-7 | 11/24/2014 | ND
1815-8 | 1/8/2015 | ND
1715-1 | 1/7/2015 | ND
1815-7 | 1/8/2015 | ND
ELA-AIR4-112914 | 11/29/2014 | ND
ELA-AIR1-112914 | 11/29/2014 | ND
ELA-AIR3-112914 | 11/29/2014 | ND
A-8 | 12/24/2014 | ND
A-8 | 12/26/2014 | ND
1815-5 | 1/8/2015 | ND
1715-3 | 1/7/2015 | ND
A-9 | 11/25/2014 | ND
A-15 | 11/26/2014 | ND
1815-6 | 1/8/2015 | ND
ELA-AIR2-112914 | 11/29/2014 | ND
A-10 | 12/26/2014 | ND
A-10 | 12/24/2014 | ND
A-7 | 12/26/2014 | ND
A-8 | 11/25/2014 | ND
A-7 | 12/24/2014 | ND
A-4 | 12/26/2014 | ND
A-4 | 12/24/2014 | ND
A-13 | 11/26/2014 | ND
A-3 | 12/24/2014 | ND
A-3 | 12/24/2014 | ND

MAP SOURCE: GOOGLE EARTH PRO ™ 2013, 34° 01' 26.62" N, 118° 27' 54.03" N

LEGEND

PERIMETER AIR SAMPLES FOR ASBESTOS ANALYSIS (COLLECTED DURING ASBESTOS-CONTAINING MATERIAL ABATEMENT)

- SAMPLED 11-21-14
- SAMPLED 11-24-14
- SAMPLED 11-25-14
- SAMPLED 11-26-14
- SAMPLED 11-29-14
- SAMPLED 12-24-14
- SAMPLED 12-26-14
- SAMPLED 1-7-15
- SAMPLED 1-8-15

ND NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

ELA-AIR1-112914 — SAMPLE ID
11/29/2014 — SAMPLE DATE
ND
LEAD CONCENTRATION IN FIBERS PER CUBIC CENTIMETER (f/cc)

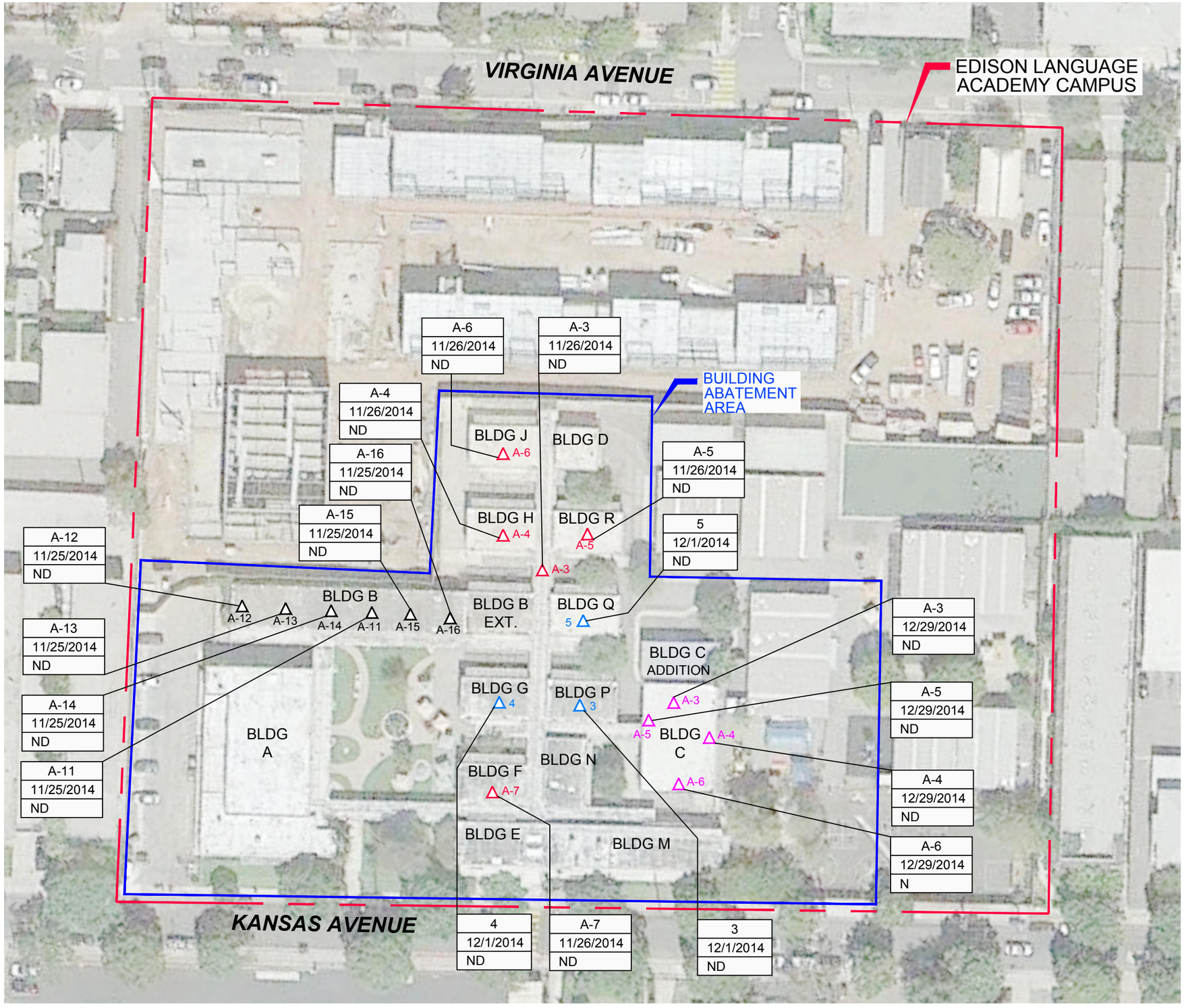
0 60' 160'
GRAPHIC SCALE

EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

ASBESTOS AIR SAMPLE LOCATIONS

ARCADIS

FIGURE 2



MAP SOURCE: GOOGLE EARTH PRO ™ 2013, 34° 01' 26.62" N, 118° 27' 54.03" N

LEGEND

AIR SAMPLES FOR ASBESTOS ANALYSIS (COLLECTED POST ASBESTOS-CONTAINING MATERIAL ABATMENT)

- △ SAMPLED 11-25-14
- △ SAMPLED 11-26-14
- △ SAMPLED 12-1-14
- △ SAMPLED 12-29-14
- ND NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

A-15	← SAMPLE ID
11/25/2014	← SAMPLE DATE
ND	← ASBESTOS CONCENTRATION IN FIBERS PER CUBIC CENTIMETER (f/cc)

0 60' 160'

GRAPHIC SCALE

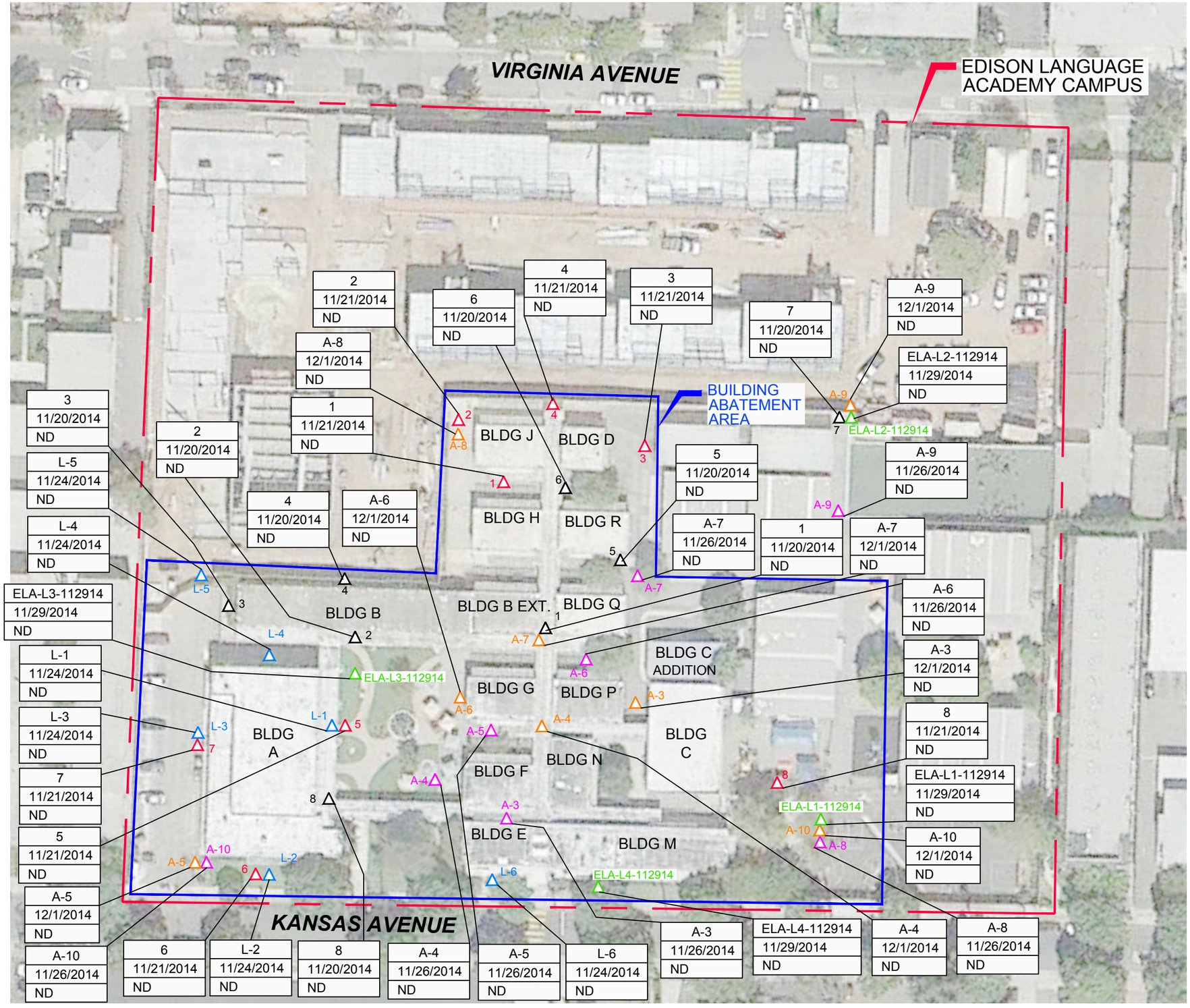
EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

ASBESTOS CLEARANCE AIR SAMPLE LOCATIONS

ARCADIS

FIGURE 3

CITY:IRVINE DIV/GROUP:ENVCAD DB:E.MURESAN PM: P. SKORGE
G:\ENVCAD\Irvine\ACT\CM011144\0031\005500\Asbestos Clearance Air Samples\CM011144.0031.005500 ACS.dwg LAYOUT: 2 SAVED: 2/4/2015 1:20 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/4/2015 1:20 PM BY: MURESAN, ELENA



MAP SOURCE: GOOGLE EARTH PRO ™ 2013, 34° 01' 26.62" N, 118° 27' 54.03" N

LEGEND

EXTERIOR PERIMETER AIR SAMPLES FOR LEAD ANALYSIS (COLLECTED DURING ABATEMENT OF LEAD-BASED PAINT)

- SAMPLED 11-20-14
- SAMPLED 11-21-14
- SAMPLED 11-24-14
- SAMPLED 11-26-14
- SAMPLED 11-29-14
- SAMPLED 12-01-14

ND NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

ELA-L2-112914 — SAMPLE ID
11/29/2014 — SAMPLE DATE
ND — LEAD CONCENTRATION IN MICROGRAMS PER CUBIC METER (µg/m³)

0 60' 160'

GRAPHIC SCALE

EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

LEAD AIR SAMPLE LOCATIONS

ARCADIS

FIGURE 4

CITY:IRVINE DIV/GROUP:ENVCAD DB:E.MURESAN PM: P. SKORGE
G:\ENVCAD\Irvine\ACTIVE\M01114400310005001Lead Air Samples\CM011144.0031.00500 LAS.dwg LAYOUT: 2 SAVED: 1/30/2015 1:47 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 1/30/2015 1:48 PM BY: MURESAN, ELENA

CITY:IRVINE DIV/GROUP-ENVCAD DB:E.MURESAN PM: P. SKORGE
G:\ENVCAD\Irvine\ACTIVE\M01114400\31\00500\Lead Clearance Surface Wipes\CM011144.0031.00500 LCS.dwg LAYOUT: 2 SAVED: 2/2/2015 11:10 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 2/2/2015 11:11 AM BY: MURESAN, ELENA

VIRGINIA AVENUE

EDISON LANGUAGE ACADEMY CAMPUS

KANSAS AVENUE

BUILDING ABATEMENT AREA

BLDG A
BLDG B
BLDG B EXT.
BLDG C
BLDG C ADDITION
BLDG D
BLDG E
BLDG F
BLDG G
BLDG H
BLDG J
BLDG M
BLDG N
BLDG P
BLDG Q
BLDG R

1	11/21/2014	ND
2	11/21/2014	ND
3	11/21/2014	ND
4	11/21/2014	ND
5	11/21/2014	ND
6	11/21/2014	ND
7	11/21/2014	ND
8	11/21/2014	ND
9	11/21/2014	ND
10	11/21/2014	ND
LW-1	12/1/2014	ND
LW-2	12/1/2014	ND
LW-3	11/26/2014	ND
LW-4	11/26/2014	ND
LW-5	11/26/2014	ND
LW-6	11/26/2014	ND
LW-7	11/26/2014	ND
LW-8	11/26/2014	ND
LW-9	11/26/2014	ND
LW-10	11/26/2014	ND
LW-11	12/1/2014	ND
LW-12	12/1/2014	ND
LW-13	12/1/2014	ND
LW-14	12/1/2014	ND
LW-15	12/1/2014	ND
LW-16	12/1/2014	ND
LW-17	12/1/2014	ND

MAP SOURCE: GOOGLE EARTH PRO ™ 2013, 34° 01' 26.62" N, 118° 27' 54.03" N

LEGEND

SURFACE WIPE CLEARANCE SAMPLES FOR LEAD ANALYSIS (COLLECTED POST-ABATEMENT FROM HORIZONTAL SURFACES WITHIN THE WORK AREAS)

△ SAMPLED 11-21-14

△ SAMPLED 11-26-14

△ SAMPLED 12-1-14

ND NOT DETECTED ABOVE LABORATORY REPORTING LIMIT

LW-13 — SAMPLE ID
12/1/2014 — SAMPLE DATE
ND — LEAD CONCENTRATION IN IN MICROGRAMS PER SQUARE FOOT (µg/ft²)

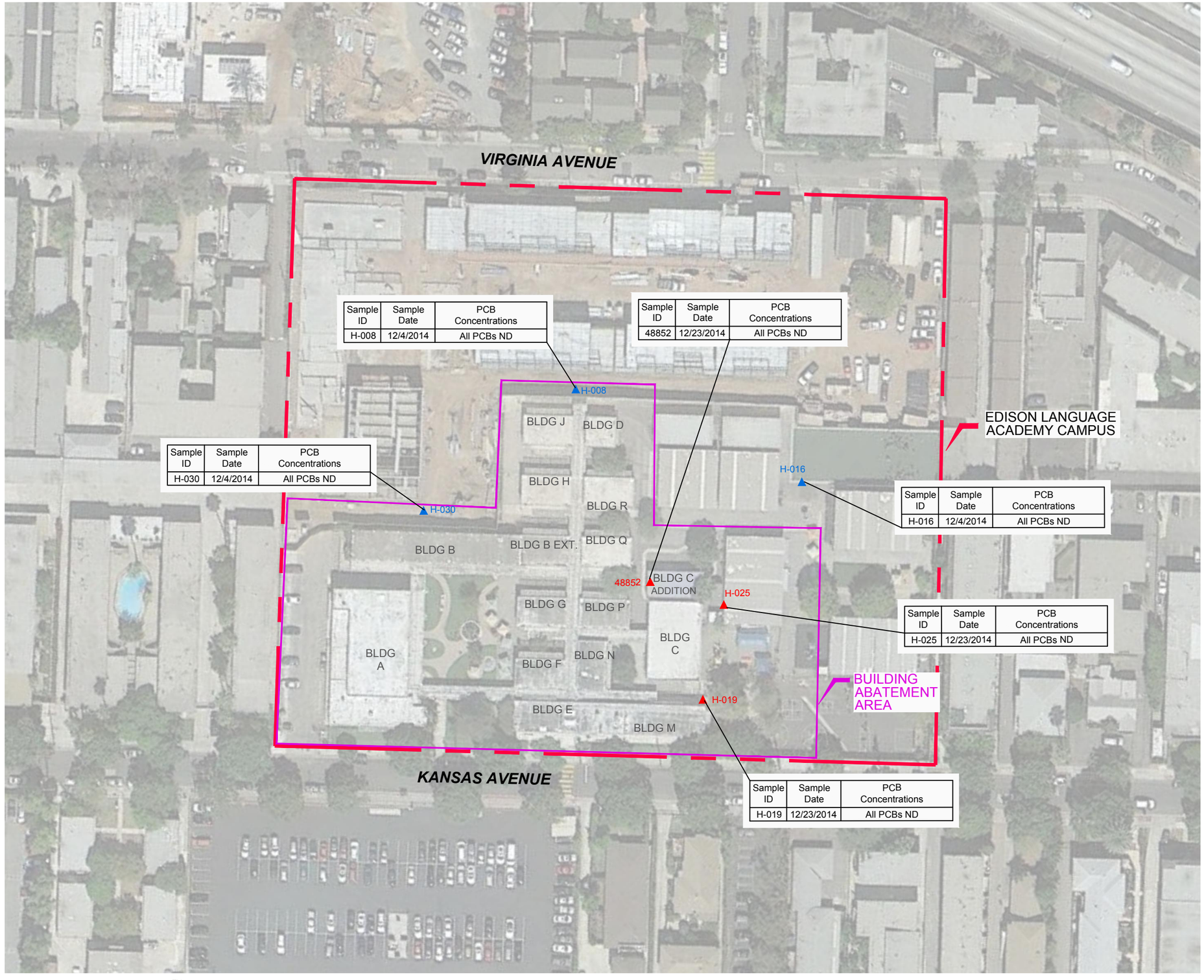
0 60' 160'
GRAPHIC SCALE

EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

LEAD CLEARANCE SURFACE WIPE SAMPLE LOCATIONS

ARCADIS

FIGURE 5



Sample ID	Sample Date	PCB Concentrations
H-008	12/4/2014	All PCBs ND

Sample ID	Sample Date	PCB Concentrations
48852	12/23/2014	All PCBs ND

Sample ID	Sample Date	PCB Concentrations
H-030	12/4/2014	All PCBs ND

Sample ID	Sample Date	PCB Concentrations
H-016	12/4/2014	All PCBs ND

Sample ID	Sample Date	PCB Concentrations
H-025	12/23/2014	All PCBs ND

Sample ID	Sample Date	PCB Concentrations
H-019	12/23/2014	All PCBs ND

MAP SOURCE: GOOGLE EARTH PRO ™ 2013, 34° 01' 26.62" N, 118° 27' 54.03" N

LEGEND

H-008 ▲ EXTERIOR AIR SAMPLES FOR PCB ANALYSIS (COLLECTED DURING REMOVAL OF CANOPY POLES WITH PCB-CONTAINING PAINT)

H-025 ▲ EXTERIOR AIR SAMPLES (COLLECTED DURING ABATEMENT OF BUILDING C. PCB-CONTAINING CAULKING MATERIALS)

PCB - POLYCHLORINATED BIPHENYLS

ND - NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS

NOTE:

SITE REDEVELOPMENT INCLUDES RENOVATION OF A PORTION OF THE AREA AS A PLAYGROUND, AND PORTIONS OF THE AREA WILL BE PAVED.

0 80' 160'

GRAPHIC SCALE

EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

PCB AIR SAMPLE LOCATIONS

ARCADIS

FIGURE 6

CITY:IRVINE DIV/GROUP:ENVCAD DB:E.MURESAN LD:E.MURESAN PIC:M. FLEISCHNER PM:T. LIMBERS TM:T. LIMBERS) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Irvine\ACTIC\M01114400310000\7\C\M01114400310000\7C\M01114400310007C\M01114400310007C\M01114400310007

ARCADIS

Attachment A

ARCADIS Limitations and Service Constraints

Limitations and Service Constraints

The opinions, conclusions and recommendations presented in this report are limited to the information obtained during the performance of the specific scope of service identified in the report. To the extent that ARCADIS relied upon any information prepared by other parties not under direct contract to ARCADIS, no representation as to the accuracy or completeness of such information is made. This report is an instrument of professional service and the services described in the report were performed in accordance with generally accepted standards and level of skill and care ordinarily exercised by members of the profession working under similar conditions including comparable budgetary and schedule constraints. No warranty, guarantee or certification express or implied, is intended or given with respect to ARCADIS's services, opinions, conclusions or recommendations. This statement is in lieu of any other statement either expressed or implied.

ARCADIS's observations, the results of testing and ARCADIS's opinions, conclusions and recommendations apply solely to conditions existing at the specific times when and specific locations where ARCADIS's investigative work was performed. Observation and testing activities such as those conducted by ARCADIS are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the project site, building or area may vary from conditions at the specific locations where observations were made and where testing was performed by ARCADIS. Additionally, other building material hazards which were not identified by ARCADIS, such as asbestos, lead-based paint and unidentified microbial impacts, may also be present in the indoor air, un-accessed areas and in walls, ceilings, cavities and floors. Therefore, the extent of ARCADIS's opinions, conclusions and recommendations are limited and 100% confidence in these opinions, conclusions and recommendations cannot reasonably be achieved. Nothing contained in this report shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards nor shall it be considered medical advice or consultation.

This report may document whether work conducted by ARCADIS, under contract to ARCADIS or under ARCADIS's observation was done so in accordance with applicable regulatory standards. In the absence of standards such as is often the case for microbial assessment and abatement, this report may not be construed as providing clearance, approval, or authorization for use or re-occupancy of a given structure. Actual site conditions and quantities should be field verified and unless expressly stated, this report may not be used as a bid specification. Although an attempt may have been made to locate microbial growth (mold) and indoor air quality issues, in many cases only further investigation or full demolition procedures will reveal sources or impacted materials. In addition, the passage of time including the nominal passage of time may result in a change in the characteristics at the project site.

This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared and for the particular purpose outlined in the report. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

ARCADIS

Attachment B

Work Activity Summary

ARCADIS U.S., Inc.
320 Commerce
Suite 200
Irvine California 92602
Tel 908 526 1000
Fax 714 730 9345

MEMO

To:
Mr. Stuart Sam
Director of Facility Improvement Projects
Santa Monic-Malibu Unified School District

From:
Phil Skorge
Jeffery Johnson

Date:
February 25, 2015

ARCADIS Project No.:
C011144.0031

Subject:
Work Activity Summary
Edison Language Academy – Hazardous Building Material Abatement

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ARCADIS performed asbestos, lead and polychlorinated biphenyl (PCB) abatement oversight and monitoring at the above named subject site from November 20th, 2014 till December 29th, 2014. ARCADIS returned to the site on January 7-8th, 2015 for the abatement of a buried asbestos pipe which was discovered during demolition of onsite structures.

ARCADIS performed the following oversight, monitoring, and documentation procedures during abatement at the site:

- Review of contractor submittals, including registrations and asbestos and lead licenses, notifications , as well as worker qualifications;
- Performed pre-abatement visual inspections of the containment and work areas. Smoke testing procedures to confirm no leakage and adequate negative pressure within containment barriers;
- Continuous inspection and observation of enclosures, barriers, surfaces and containments during removal procedures;
- Ambient/background air sampling around the work area perimeters for lead, asbestos and PCBs;
- Clearance air sampling for analysis of asbestos;
- Clearance surface wipe sampling for analysis of lead;

The work areas monitored by ARCADIS passed final visual inspections. After final visual inspections, final clearance air samples for asbestos and clearance surface wipes were collected and submitted for laboratory analysis. Results of these samples yielded satisfactory results. Below is a summary of the work activities and project milestones.

Work Activity Summary

November 20, 2014

- Scope of Work/Material Abated:
  - Prepare work areas for lead abatement
  - Conduct perimeter air sampling
  - Lead-based paint abatement of doors/casings/jams and windows/sills/frame
  - Asbestos abatement of fire doors
- Work Locations:
  - Building A, Building B, Building H, Building R, Building J, Building D
- Clearances:
  - Work in progress
- Comments:
  - No issues observed/noted

November 21, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (lead/asbestos)
  - Lead-based paint abatement of doors/casings/jams and windows/sills/frame
  - Perform clearance lead wipe samples in visually approved work areas
  - Prepare work areas in Building B for asbestos abatement of 9" vinyl floor tile
  - Abatement of ACM 9" vinyl floor tile in Building B
- Work Locations:
  - Building A, Building B, Building H, Building R, Building J, Building D
- Clearances:
  - Visual - PASS
  - Lead Wipe Samples
    - Building B (Room 7-11), Building R (Room 13), Building H (Room 13), Building J (Room 14), Building D (Restrooms), – PASS
- Comments:
  - No issues observed/noted

November 24, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (lead/asbestos)
  - Asbestos abatement of chalkboard mastic from Building B
  - Lead abatement of windows/sill/frame and gutter removal
- Work Locations:
  - Building B, Building H
- Clearances:
  - Work in progress
- Comments:
  - No issues observed/noted

November 25, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (lead/asbestos)
  - Abatement of ACM 9” vinyl floor tile, chalkboard mastic, and carpet mastic
  - Conduct asbestos clearance air testing in Building B
  - Lead abatement of doors/frames and windows/sill/frames, baseboard, downspout from Building H, Building R and Building J
  - Perform clearance lead wipe samples in visually approved work areas
- Work Locations:
  - Building B, Building H, Building R, Building J, Building F, Building Q
- Clearances:
  - Visual – PASS
  - Asbestos PCM Clearances NIOSH 7400
    - Building B (Rooms 7-11) – PASS
  - Lead Wipe Samples
    - Building A – PASS
- Comments:
  - No issues observed/noted

November 26, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (lead/asbestos)
  - Continue abatement of ACM 9” vinyl floor tile, chalkboard mastic and carpet mastic
  - Collect asbestos clearance air samples in select buildings
  - Lead abatement of windows/sill/frames
- Work Locations:
  - Building H, Building R, Building J, Building F, Building Q
- Clearances:
  - Visual - PASS
  - Asbestos PCM Clearances NIOSH 7400
    - Building Q - PASS
- Comments:
  - No issues observed/noted

November 28, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (lead/asbestos)
  - Lead abatement of ceramic wall tiles, windows/sills/frames, porcelain sink, doors/casings/jams, flag pole, cast iron sink
  - Asbestos abatement of chalkboard mastic, vinyl floor tile and associated mastic, fire doors
- Work Locations:
  - Building P, Building G, Building N, Building E/M
- Clearances:
  - None
- Other Comments:
  - No issues observed/noted

November 29, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (lead/asbestos)
  - Lead abatement of roof fascia/sills, roof downspout
  - Asbestos abatement of floor tile and mastic, and wall mastic
- Work Locations:
  - Building N, Building P, Building Q, Building G
- Clearances:
  - None
- Comments:
  - Certain negative air units not working; corrective actions were taken by Matrix
  - Materials adjacent to Building M were thrown down and creating dust; corrective actions were taken by Matrix

December 1, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (lead)
  - Collect asbestos clearance air samples in select buildings
  - Lead abatement of exterior fascia and window sills
  - Asbestos abatement of roof mastic
  - Perform clearance lead wipe samples in visually approved work areas
- Work Locations:
  - Building G, Building P, Building F, Building N, Building E/M
- Clearances:
  - Visual – PASS
  - Asbestos PCM Clearances NIOSH 7400
    - Building Q, Building P, Building G – PASS
  - Lead Wipe Samples
    - Building N (Room 140) Building N (Room 142, Building N (Room 143), Building F (Roof), Building F (Room 3), Building M, Building E (Interior), Building E (Roof), Building N (Interior), Building N (Roof) – PASS
- Comments:
  - No issues observed/noted

December 2, 2014

- Scope of Work/Material Abated:
  - Removal of walkway canopy and canopy poles; PCB abatement
- Work Locations:
  - Exterior walkways
- Clearances:
  - Work in progress
- Comments:
  - No issues observed/noted

December 3, 2014

- Scope of Work/Material Abated:
  - Removal of walkway canopy and canopy poles; PCB abatement
- Work Locations:
  - Exterior walkways
- Clearances:
  - Work in progress
- Comments:
  - Rainy day, no perimeter samples needed

December 4, 2014

- Scope of Work/Material Abated:
  - Continue removal of walkway canopy and canopy poles; PCB abatement
  - Perform perimeter air monitoring during PCB abatement
- Work Locations:
  - Exterior walkways
- Clearances:
  - Visual - PASS
- Comments:
  - No issues observed/noted
  - No exceedances on perimeter air samples collected

December 5, 2014

- Scope of Work/Material Abated:
  - Demolition of buildings
- Work Locations:
  - Various site buildings; HBMs removed/abatement from building prior to demolition
- Clearances:
  - None
- Comments:
  - No issues observed/noted

December 18, 2014

- Scope of Work/Material Abated:
  - Collection of suspect asbestos buried pipe
- Work Locations:
  - Middle of project site
- Clearances:
  - None
- Comments:
  - No issues observed/noted
  - Buried pipe contains 15% Chrysotile asbestos

December 22, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (PCB)
  - Abatement of PCB window materials
  - Removal of asphalt materials
- Work Locations:
  - Building C
- Clearances:
  - Work in progress
- Comments:
  - No issues observed/noted

December 23, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (PCB)
  - Abatement of PCB window materials
- Work Locations:
  - Building C
- Clearances:
  - None
- Comments:
  - No issues observed/noted
  - No exceedances on perimeter air samples collected

December 24, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (asbestos)
  - Abatement of asbestos wallboard systems
- Work Locations:
  - Building C
- Clearances:
  - Visual - PASS
- Comments:
  - No issues observed/noted

December 26, 2014

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (asbestos)
  - Asbestos abatement of wallboard systems, chalkboard mastic and fire doors
- Work Locations:
  - Building C
- Clearances:
- Comments:
  - No issues observed/noted

December 29, 2014

- Scope of Work/Material Abated:
  - Visual inspection of removal areas
  - Collect asbestos clearance air samples in select buildings
- Work Locations:
  - Building C
- Clearances:
  - Visual – PASS
  - Asbestos PCM Clearances NIOSH 7400
    - Building C – PASS
- Comments:

January 7, 2015

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (asbestos)
  - Buried TSI pipe asbestos abatement
- Work Locations:
  - Former building pad
- Clearances:
  - None
- Comments:
  - No issues observed/noted

January 8, 2015

- Scope of Work/Material Abated:
  - Conduct perimeter air sampling (asbestos)
  - Buried TSI pipe asbestos abatement
- Work Locations:
  - Former building pad
- Clearances:
  - Visual - PASS
- Comments:
  - No issues observed/noted

ARCADIS

Attachment C

Weather Station Data

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/20/2014	2:40 PM	73.4	73.4	73.3	32	41.7	0	---	0	0	---	73.4	71.5	71.5	28.476	0	0	0	0.058	75.9	30	42.2	74.4	6.05	0.0699	228	1	100	10
11/20/2014	2:50 PM	73.4	73.5	73.4	32	41.7	0	---	0	0	---	73.4	71.5	71.5	28.472	0	0	0	0.058	75.9	30	42.2	74.4	6.05	0.0698	228	1	100	10
11/20/2014	3:00 PM	73.5	73.5	73.4	32	41.8	0	---	0	0	---	73.5	71.7	71.7	28.464	0	0	0	0.059	75.9	30	42.2	74.4	6.05	0.0698	229	1	100	10
11/20/2014	3:10 PM	73.5	73.6	73.5	32	41.8	0	---	0	0	---	73.5	71.7	71.7	28.469	0	0	0	0.059	75.9	30	42.2	74.4	6.05	0.0698	228	1	100	10
11/20/2014	3:20 PM	73.6	73.6	73.5	32	41.9	0	---	0	0	---	73.6	71.8	71.8	28.466	0	0	0	0.06	76	30	42.3	74.5	6.05	0.0698	225	1	98.7	10
11/20/2014	3:30 PM	73.7	73.7	73.6	32	42	0	---	0	0	---	73.7	72	72	28.466	0	0	0	0.06	76	30	42.3	74.5	6.05	0.0698	228	1	100	10
11/20/2014	3:40 PM	73.7	73.7	73.6	32	42	0	---	0	0	---	73.7	72	72	28.468	0	0	0	0.06	76	30	42.3	74.5	6.05	0.0698	228	1	100	10
11/20/2014	3:50 PM	73.8	73.8	73.7	32	42.1	0	---	0	0	---	73.8	72.1	72.1	28.473	0	0	0	0.061	76	30	42.3	74.5	6.05	0.0698	227	1	99.6	10
11/20/2014	4:00 PM	73.8	73.8	73.8	32	42.1	0	---	0	0	---	73.8	72.1	72.1	28.476	0	0	0	0.061	76	30	42.3	74.5	6.05	0.0698	227	1	99.6	10
11/20/2014	4:10 PM	73.9	73.9	73.8	32	42.2	0	---	0	0	---	73.9	72.3	72.3	28.48	0	0	0	0.062	76.2	30	42.5	74.8	6.05	0.0698	230	1	100	10
11/20/2014	4:20 PM	73.9	73.9	73.9	32	42.2	0	---	0	0	---	73.9	72.3	72.3	28.486	0	0	0	0.062	76.2	30	42.5	74.8	6.05	0.0698	228	1	100	10
11/20/2014	4:30 PM	74	74	73.9	32	42.3	0	---	0	0	---	74	72.5	72.5	28.481	0	0	0	0.063	76.2	30	42.5	74.8	6.05	0.0698	230	1	100	10
11/20/2014	4:40 PM	74	74	73.9	32	42.3	0	---	0	0	---	74	72.5	72.5	28.477	0	0	0	0.063	76.2	30	42.5	74.8	6.05	0.0698	227	1	99.6	10
11/20/2014	4:50 PM	74	74	74	32	42.3	0	---	0	0	---	74	72.5	72.5	28.483	0	0	0	0.063	76.2	30	42.5	74.8	6.05	0.0698	230	1	100	10
11/20/2014	5:00 PM	74.1	74.1	74	32	42.3	0	---	0	0	---	74.1	72.6	72.6	28.48	0	0	0	0.063	76.2	30	42.5	74.8	6.05	0.0698	225	1	98.7	10
11/20/2014	5:10 PM	74.1	74.1	74	32	42.3	0	---	0	0	---	74.1	72.6	72.6	28.479	0	0	0	0.063	76.2	30	42.5	74.8	6.05	0.0698	230	1	100	10
11/20/2014	5:20 PM	74.1	74.1	74.1	32	42.3	0	---	0	0	---	74.1	72.6	72.6	28.482	0	0	0	0.063	76.2	30	42.5	74.8	6.05	0.0698	226	1	99.1	10
11/20/2014	5:30 PM	74.1	74.2	74.1	32	42.3	0	---	0	0	---	74.1	72.6	72.6	28.473	0	0	0	0.063	76.2	30	42.5	74.8	6.05	0.0698	230	1	100	10
11/20/2014	5:40 PM	74.2	74.2	74.1	32	42.4	0	---	0	0	---	74.2	72.7	72.7	28.474	0	0	0	0.064	76.2	30	42.5	74.8	6.05	0.0698	228	1	100	10
11/20/2014	5:50 PM	74.2	74.2	74.2	32	42.4	0	---	0	0	---	74.2	72.7	72.7	28.48	0	0	0	0.064	76.4	30	42.7	75	6.05	0.0698	228	1	100	10
11/20/2014	6:00 PM	74.2	74.2	74.2	32	42.4	0	---	0	0	---	74.2	72.7	72.7	28.481	0	0	0	0.064	76.4	30	42.7	75	6.05	0.0698	230	1	100	10
11/20/2014	6:10 PM	74.2	74.2	74.2	32	42.4	0	---	0	0	---	74.2	72.7	72.7	28.484	0	0	0	0.064	76.4	30	42.7	75	6.05	0.0698	228	1	100	10
11/20/2014	6:20 PM	74.3	74.3	74.2	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.482	0	0	0	0.065	76.4	30	42.7	75	6.05	0.0698	229	1	100	10
11/20/2014	6:30 PM	74.3	74.3	74.2	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.5	0	0	0	0.065	76.4	30	42.7	75	6.05	0.0698	228	1	100	10
11/20/2014	6:40 PM	74.3	74.3	74.2	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.483	0	0	0	0.065	76.4	30	42.7	75	6.05	0.0698	228	1	100	10
11/20/2014	6:50 PM	74.3	74.3	74.3	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.48	0	0	0	0.065	76.4	30	42.7	75	6.05	0.0698	227	1	99.6	10
11/20/2014	7:00 PM	74.3	74.3	74.3	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.478	0	0	0	0.065	76.4	29	41.8	75	5.85	0.0698	230	1	100	10
11/20/2014	7:10 PM	74.3	74.3	74.3	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.481	0	0	0	0.065	76.2	29	41.6	74.7	5.85	0.0698	225	1	98.7	10
11/20/2014	7:20 PM	74.3	74.3	74.3	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.477	0	0	0	0.065	76.2	29	41.6	74.7	5.85	0.0698	231	1	100	10
11/20/2014	7:30 PM	74.3	74.3	74.2	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.469	0	0	0	0.065	76.2	29	41.6	74.7	5.85	0.0698	225	1	98.7	10
11/20/2014	7:40 PM	74.3	74.3	74.3	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.467	0	0	0	0.065	76.2	29	41.6	74.7	5.85	0.0698	231	1	100	10
11/20/2014	7:50 PM	74.3	74.3	74.3	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.47	0	0	0	0.065	76.2	29	41.6	74.7	5.85	0.0698	224	1	98.2	10
11/20/2014	8:00 PM	74.3	74.3	74.2	31	41.7	0	---	0	0	---	74.3	72.7	72.7	28.469	0	0	0	0.065	76.2	29	41.6	74.7	5.85	0.0698	231	1	100	10
11/20/2014	8:10 PM	74.2	74.3	74.2	31	41.6	0	---	0	0	---	74.2	72.6	72.6	28.475	0	0	0	0.064	76.2	29	41.6	74.7	5.85	0.0698	227	1	99.6	10
11/20/2014	8:20 PM	74.2	74.3	74.2	31	41.6	0	---	0	0	---	74.2	72.6	72.6	28.477	0	0	0	0.064	76	29	41.4	74.5	5.85	0.0699	228	1	100	10
11/20/2014	8:30 PM	74.2	74.2	74.2	31	41.6	0	---	0	0	---	74.2	72.6	72.6	28.476	0	0	0	0.064	76	29	41.4	74.5	5.85	0.0699	227	1	99.6	10
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11/20/2014	9:00 PM	74.1	74.2	74.1	31	41.5	0	---	0	0	---	74.1	72.5	72.5	28.481	0	0	0	0.063	76	29	41.4	74.5	5.85	0.0699	227	1	99.6	10
11/20/2014	9:10 PM	74.1	74.1	74.1	31	41.5	0	---	0	0	---	74.1	72.5	72.5	28.48	0	0	0	0.063	75.9	29	41.3	74.3	5.85	0.0699	228	1	100	10
11/20/2014	9:20 PM	74	74.1	74	31	41.4	0	---	0	0	---	74	72.4	72.4	28.477	0	0	0	0.063	75.9	29	41.3	74.3	5.85	0.0699	228	1	100	10
11/20/2014	9:30 PM	74	74.1	74	31	41.4	0	---	0	0	---	74	72.4	72.4	28.475	0	0	0	0.063	75.9	29	41.3	74.3	5.85	0.0699	229	1	100	10
11/20/2014	9:40 PM	74	74	74	31	41.4	0	---	0	0	---	74	72.4	72.4	28.474	0	0	0	0.063	75.9	29	41.3	74.3	5.85	0.0699	229	1	100	10
11/20/2014	9:50 PM	73.9	74	73.9	31	41.3	0	---	0	0	---	73.9	72.2	72.2	28.472	0	0	0	0.062	75.7	29	41.2	74.1	5.85	0.0699	229	1	100	10
11/20/2014	10:00 PM	73.9	73.9	73.9	31	41.3	0	---	0	0	---	73.9	72.2	72.2	28.474	0	0	0	0.062	75.7	29	41.2	74.1	5.85	0.0699	226	1	99.1	10
11/20/2014	10:10 PM	73.8	73.9	73.8	31	41.3	0	---	0	0	---	73.8	72.1	72.1	28.47	0	0	0	0.061	75.7	29	41.2	74.1	5.85	0.0699	230	1	100	10
11/20/2014	10:20 PM	73.8	73.9	73.8	31	41.3	0	---	0	0	---	73.8	72.1	72.1	28.471	0	0	0	0.061	75.7	29	41.2	74.1	5.85	0.0699	225	1	98.7	10
11/20/2014	10:30 PM	73.8	73.9	73.8	31	41.3	0	---	0	0	---	73.8	72.1	72.1	28.471	0	0	0	0.061	75.5	29	41	73.8	5.85	0.0699	230	1	100	10
11/20/2014	10:40 PM	73.7	73.8	73.7	31	41.2	0	---	0	0	---	73.7	71.9	71.9	28.473	0	0	0	0.06	75.5	29	41	73.8	5.85	0.0699	225	1	98.7	10
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11/20/2014	11:30 PM	73.5	73.6	73.5	31	41	0	---	0	0	---	73.5	71.6	71.6	28.469	0	0	0	0.059	75.3	29	40.8	73.6	5.85	0.0699	228	1	100	10
11/20/2014	11:40 PM	73.5	73.5	73.5	31	41	0	---	0	0	---	73.5	71.6	71.6	28.465	0	0	0	0.059	75.3	29	40.8	73.6	5.85	0.0699	230	1	100	10
11/20/2014	11:50 PM	73.5	73.5	73.4	31	41	0	---	0	0	---	73.5	71.6	71.6	28.465	0	0	0	0.059	75.2	29	40.7	73.5	5.85	0.07	230	1	100	10
11/21/2014	12:10 AM	73.3	73.4	73.3	31	40.8	0	---	0	0	---	73.3	71.3	71.3	28.453	0	0	0	0.058	75.2	29	40.7	73.5	5.85	0.0699	225	1	98.7	10
11/21/2014	12:20 AM	73.3	73.3	73.3	31	40.8	0	---	0	0	---	73.3	71.3	71.3	28.445	0	0	0	0.058	75	29	40.6	73.2	5.85	0.0699	231	1	100	10
11/21/2014	12:30 AM	73.2	73.3	73.2	31	40.7	0	---	0	0	---	73.2	71.1	71.1	28.448	0	0	0	0.057	75	29	40.6	73.2	5.85	0.0699	228	1	100	10
11/21/2014	12:40 AM	73.2	73.2	73.2	31	40.7	0	---	0	0	---	73.2	71.1	71.1	28.449	0	0	0	0.057	75	29	40.6	73.2	5.85	0.0699	230	1	100	10
11/21/2014	12:50 AM	73.1	73.2	73.1	31	40.7	0	---	0	0	---	73.1	71	71	28.441	0	0	0	0.056	74.8	29	40.4	73	5.86	0.07	227	1	99.6	10
11/21/2014	1:00 AM	73.1	73.1	73	31	40.7	0	---	0	0	---	73.1	71	71	28.444	0	0	0	0.056	74.8	30	41.3	73.1	6.06	0.0699	230	1	100	10
11/21/2014	1:10 AM	73	73.1	73	31	40.6	0	---	0	0	---	73	70.8	70.8	28.442	0	0	0	0.056	74.8	30	41.3	73.1	6.06	0.0699	226	1	99.1	10
11/21/2014	1:20 AM	73	73	72.9	31	40.6	0	---	0	0	---	73	70.8	70.8	28.441	0	0	0	0.056	74.7	30	41.2	73	6.06	0.0699	232	1	100	10
11/21/2014	1:30 AM	72.9	73	72.9	31	40.5	0	---	0	0	---	72.9	70.6	70.6	28.437	0	0	0	0.055	74.7	30	41.2	73	6.06	0.0699	228	1	100	10
11/21/2014	1:40 AM	72.8	72.9	72.8	31	40.4	0	---	0	0	---	72.8	70.5	70.5	28.435	0	0	0	0.054	74.7	30	41.2	73	6.06	0.0699	230	1	100	10
11/21/2014	1:50 AM	72.8	72.8	72.7	31	40.4	0	---	0	0	---	72.8	70.5	70.5	28.43	0	0	0	0.054	74.5	30	41	72.8	6.07	0.07	228	1	100	10
11/21/2014	2:00 AM	72.7	72.8	72.7	31	40.3	0	---	0	0	---	72.7	70.3	70.3	28.428	0	0	0	0.053	74.5	30	41	72.8	6.07	0.0699	228	1	100	10
11/21/2014	2:10 AM	72.6	72.7	72.6	31	40.2	0	---	0	0	---	72.6	70.2	70.2	28.419	0	0	0	0.053	74.3	30	40.8	72.6	6.08	0.07	229	1	100	10
11/21/2014	2:20 AM	72.6	72.6	72.6	31	40.2	0	---	0	0	---	72.6	70.2	70.2	28.416	0	0	0	0.053	74.3	30	40.8	72.6	6.08	0.0699	227	1	99.6	10
11/21/2014	2:30 AM	72.5	72.6	72.5	31	40.1	0	---	0	0	---	72.5	70	70	28.414	0	0	0	0.052	74.3	30	40.8	72.6	6.08	0.0699	229	1	100	10
11/21/2014	2:40 AM	72.4	72.5	72.4	32	40.9	0	---	0	0	---	72.4	69.9	69.9	28.417	0	0	0	0.051	74.1	30	40.7	72.4	6.09	0.07	228	1	100	10
11/21/2014	2:50 AM	72.4	72.4	72.4	32	40.9	0	---	0	0	---	72.4	69.9	69.9	28.415	0	0	0	0.051	74.1	30	40.7	72.4	6.09	0.07	231	1	100	10
11/21/2014	3:00 AM	72.3	72.4	72.3	32	40.8	0	---	0	0	---	72.3	69.8	69.8	28.414	0	0	0	0.051	74.1	30	40.7	72.4	6.09	0.07	227	1	99.6	10
11/21/2014	3:10 AM	72.2	72.3	72.2	32	40.7	0	---	0	0	---	72.2	69.6	69.6	28.411	0	0	0	0.05	74	30	40.6	72.3	6.09	0.07	229	1	100	10
11/21/2014	3:20 AM	72.2	72.3	72.2	32	40.7	0	---	0	0	---	72.2	69.6	69.6	28.411	0	0	0	0.05	74	30	40.6	72.3	6.09	0.07	227	1	99.6	10
11/21/2014	3:30 AM	72.1	72.2	72.1	32	40.6	0	---	0	0	---	72.1	69.5	69.5	28.411	0	0	0	0.049	74	30	40.6	72.3	6.09	0.07	229	1	100	10
11/21/2014	3:40 AM	72.1	72.2	72.1	32	40.6	0	---	0	0	---	72.1	69.5	69.5	28.411	0	0	0	0.049	74	30	40.6	72.3	6.09	0.07	227	1	99.6	10
11/21/2014	3:50 AM	72	72.1	72	33	41.3	0	---	0	0	---	72	69.4	69.4	28.408	0	0	0	0.049	73.8	30	40.4	72	6.1	0.07	233	1	100	10
11/21/2014	4:00 AM	72	72	72	33	41.3	0	---	0	0	---	72	69.4	69.4	28.409	0	0	0	0.049	73.8	30	40.4	72	6.1	0.07	227	1	99.6	10
11/21/2014	4:10 AM	71.9	72	71.9	33	41.2	0	---	0	0	---	71.9	69.3	69.3	28.407	0	0	0	0.048	73.8	30	40.4	72	6.1	0.07	231	1	100	10
11/21/2014	4:20 AM	71.9	71.9	71.9	33	41.2	0	---	0	0	---	71.9	69.3	69.3	28.407	0	0	0	0.048	73.8	30	40.4	72	6.1	0.07	227	1	99.6	10
11/21/2014	4:30 AM	71.9	71.9	71.8	41	46.9	0	NE	0	4	NE	71.9	70.1	70.1	28.409	0.02	2.3	0	0.048	73.8	31	41.3	72.1	6.27	0.07	227	1	99.6	10
11/21/2014	4:40 AM	71.9	71.9	71.9	42	47.6	0	---	0	0	---	71.9	70.1	70.1	28.427	0	0.04	0	0.048	73.8	32	42.1	72.1	6.47	0.07	229	1	100	10
11/21/2014	4:50 AM	71.9	71.9	71.9	43	48.2	0	---	0	0	---	71.9	70.3	70.3	28.498	0	0	0	0.048	74	33	43.1	72.5	6.57	0.0701	229	1	100	10
11/21/2014	5:00 AM	71.9	71.9	71.9	44	48.8	0	---	0	0	---	71.9	70.4	70.4	28.49	0	0	0	0.048	74.1	33	43.1	72.6	6.57	0.0701	230	1	100	10
11/21/2014	5:10 AM	72	72	71.9	45	49.5	0	---	0	0	---	72	70.6	70.6	28.373	0	0	0	0.049	74.3	34	44.1	72.9	6.76	0.0698	226	1	99.1	10
11/21/2014	5:20 AM	72.1	72.1	72	47	50.8	0	---	0	0	---	72.1	70.9	70.9	29.153	0	0	0	0.049	74.3	35	44.9	73	6.96	0.0717	230	1	100	10
11/21/2014	5:30 AM	72.1	72.2	72.1	49	51.9	0	---	0	0	---	72.1	71.1	71.1	29.158	0	0	0	0.049	74.5	35	45	73.3	6.96	0.0717	227	1	99.6	10
11/21/2014	5:40 AM	72.2	72.2	72.1	50	52.5	0	---	0	0	---	72.2	71.4	71.4	29.213	0	0	0	0.05	74.7	36	46	73.6	7.06	0.0717	228	1	100	10
11/21/2014	5:50 AM	72.3	72.3	72.2	50	52.6	0	---	0	0	---	72.3	71.5	71.5	29.182	0	0	0	0.051	74.7	36	46	73.6	7.06	0.0717	229	1	100	10
11/21/2014	6:00 AM	72.3	72.3	72.3	51	53.2	0	---	0	0	---	72.3	71.6	71.6	29.554	0	0	0	0.051	74.7	37	46.7	73.6	7.26	0.0726	229	1	100	10
11/21/2014	6:10 AM	72.4	72.4	72.3	52	53.8	0	---	0	0	---	72.4	71.8	71.8	29.761	0	0	0	0.051	74.7	37	46.7	73.6	7.26	0.0731	226	1	99.1	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/21/2014	6:20 AM	72.4	72.4	72.4	52	53.8	0	---	0	0	---	72.4	71.8	71.8	29.727	0	0	0	0.051	74.7	37	46.7	73.6	7.26	0.073	230	1	100	10
11/21/2014	6:30 AM	72.4	72.4	72.4	52	53.8	0	---	0	0	---	72.4	71.8	71.8	29.749	0	0	0	0.051	74.7	38	47.4	73.7	7.36	0.073	227	1	99.6	10
11/21/2014	6:40 AM	72.4	72.4	72.3	52	53.8	0	---	0	0	---	72.4	71.8	71.8	29.839	0	0	0	0.051	74.7	38	47.4	73.7	7.36	0.0732	228	1	100	10
11/21/2014	6:50 AM	72.3	72.4	72.3	53	54.2	0	---	0	0	---	72.3	71.8	71.8	29.923	0	0	0	0.051	74.7	38	47.4	73.7	7.36	0.0735	227	1	99.6	10
11/21/2014	7:00 AM	72.3	72.3	72.3	52	53.7	0	---	0	0	---	72.3	71.7	71.7	29.867	0	0	0	0.051	74.7	38	47.4	73.7	7.36	0.0733	228	1	100	10
11/21/2014	7:10 AM	72.2	72.3	72.2	51	53.1	0	---	0	0	---	72.2	71.5	71.5	29.869	0	0	0	0.05	74.5	38	47.2	73.5	7.37	0.0734	229	1	100	10
11/21/2014	7:20 AM	72.2	72.2	72.2	51	53.1	0	---	0	0	---	72.2	71.5	71.5	29.874	0	0	0	0.05	74.5	39	47.9	73.6	7.56	0.0733	226	1	99.1	10
11/21/2014	7:30 AM	71.7	72.2	71.7	45	49.2	0	---	0	0	---	71.7	70.1	70.1	29.875	0	0	0	0.047	74.1	38	46.9	73	7.39	0.0734	229	1	100	10
11/21/2014	7:40 AM	69.8	71.7	69.8	48	49.2	0	---	0	0	---	69.8	68	68	29.878	0	0	0	0.033	72.1	39	45.8	70.2	7.61	0.0738	225	1	98.7	10
11/21/2014	7:50 AM	68.2	69.8	68.2	50	48.8	0	---	0	0	---	68.2	66.9	66.9	29.889	0	0	0	0.022	70.4	43	46.8	68.1	8.23	0.074	230	1	100	10
11/21/2014	8:00 AM	66.2	68.1	66.2	52	48	0	---	0	0	---	66.2	64.8	64.8	29.895	0	0	0	0.008	68.1	44	45.4	66.2	8.35	0.0744	228	1	100	10
11/21/2014	8:10 AM	64.5	66.1	64.5	55	48	0	---	0	0	---	64.5	63.3	63.3	29.893	0	0	0.003	0	66.3	45	44.3	64.3	8.52	0.0746	229	1	100	10
11/21/2014	8:20 AM	63.6	64.5	63.6	58	48.5	0	---	0	0	---	63.6	62.5	62.5	29.894	0	0	0.01	0	65.2	44	42.7	62.9	8.35	0.0748	227	1	99.6	10
11/21/2014	8:30 AM	63.1	63.6	63.1	58	48.1	0	---	0	0	---	63.1	61.9	61.9	29.897	0	0	0.013	0	64.7	44	42.3	62.4	8.36	0.0749	229	1	100	10
11/21/2014	8:40 AM	62.8	63.1	62.8	60	48.7	0	---	0	0	---	62.8	61.7	61.7	29.895	0	0	0.015	0	64.4	44	42	62.1	8.37	0.075	225	1	98.7	10
11/21/2014	8:50 AM	62.6	62.8	62.6	61	49	0	---	0	0	---	62.6	61.6	61.6	29.898	0	0	0.017	0	64.2	44	41.8	61.9	8.38	0.075	228	1	100	10
11/21/2014	9:00 AM	62.4	62.6	62.4	60	48.3	0	---	0	0	---	62.4	61.2	61.2	29.898	0	0	0.018	0	64.2	44	41.8	61.9	8.38	0.075	229	1	100	10
11/21/2014	9:10 AM	62.4	62.5	62.4	61	48.8	0	---	0	0	---	62.4	61.3	61.3	29.898	0	0	0.018	0	64.1	45	42.3	61.9	8.57	0.075	228	1	100	10
11/21/2014	9:20 AM	62.4	62.4	62.4	62	49.2	0	---	0	0	---	62.4	61.4	61.4	29.903	0	0	0.018	0	64.4	45	42.6	62.2	8.56	0.075	230	1	100	10
11/21/2014	9:30 AM	62.5	62.5	62.4	61	48.9	0	---	0	0	---	62.5	61.4	61.4	29.901	0	0	0.017	0	64.7	45	42.9	62.5	8.56	0.0749	227	1	99.6	10
11/21/2014	9:40 AM	62.7	62.7	62.5	61	49.1	0	---	0	0	---	62.7	61.7	61.7	29.902	0	0	0.016	0	65	45	43.1	62.8	8.55	0.0749	228	1	100	10
11/21/2014	9:50 AM	62.9	62.9	62.7	60	48.8	0	---	0	0	---	62.9	61.8	61.8	29.898	0	0	0.015	0	65.3	45	43.4	63.1	8.54	0.0748	225	1	98.7	10
11/21/2014	10:00 AM	63	63	62.8	59	48.4	0	---	0	0	---	63	61.8	61.8	29.895	0	0	0.014	0	65.5	45	43.6	63.3	8.54	0.0748	229	1	100	10
11/21/2014	10:10 AM	63.2	63.2	63	58	48.2	0	---	0	0	---	63.2	62	62	29.895	0	0	0.012	0	65.7	44	43.2	63.5	8.35	0.0748	228	1	100	10
11/21/2014	10:20 AM	63.3	63.3	63.2	57	47.8	0	---	0	0	---	63.3	62.1	62.1	29.894	0	0	0.012	0	65.8	44	43.3	63.6	8.35	0.0747	230	1	100	10
11/21/2014	10:30 AM	63.5	63.5	63.3	55	47	0	WNW	0	1	WNW	63.5	62.2	62.2	29.893	0	0	0.01	0	66	44	43.5	63.8	8.35	0.0747	227	1	99.6	10
11/21/2014	10:40 AM	63.6	63.7	63.5	55	47.1	0	---	0	0	---	63.6	62.3	62.3	29.893	0	0	0.01	0	66.2	44	43.6	64	8.35	0.0747	229	1	100	10
11/21/2014	10:50 AM	63.8	63.8	63.6	54	46.8	0	---	0	0	---	63.8	62.4	62.4	29.892	0	0	0.008	0	66.2	44	43.6	64	8.35	0.0747	227	1	99.6	10
11/21/2014	11:00 AM	64	64	63.8	54	47	0	---	0	0	---	64	62.6	62.6	29.894	0	0	0.007	0	66.2	43	43	63.9	8.25	0.0747	227	1	99.6	10
11/21/2014	11:10 AM	64.1	64.1	63.9	54	47.1	0	---	0	0	---	64.1	62.7	62.7	29.891	0	0	0.006	0	66.3	43	43.1	64	8.25	0.0747	231	1	100	10
11/21/2014	11:20 AM	64.2	64.3	64.1	55	47.7	0	---	0	0	---	64.2	62.9	62.9	29.889	0	0	0.006	0	66.5	43	43.3	64.3	8.25	0.0746	225	1	98.7	10
11/21/2014	11:30 AM	64.4	64.4	64.2	55	47.9	0	---	0	0	---	64.4	63.1	63.1	29.886	0	0	0.004	0	66.6	43	43.4	64.4	8.25	0.0746	228	1	100	10
11/21/2014	11:40 AM	64.5	64.5	64.4	56	48.4	0	---	0	0	---	64.5	63.3	63.3	29.883	0	0	0.003	0	66.8	44	44.2	64.7	8.35	0.0746	224	1	98.2	10
11/21/2014	11:50 AM	64.6	64.7	64.5	56	48.5	0	---	0	0	---	64.6	63.4	63.4	29.881	0	0	0.003	0	66.8	44	44.2	64.7	8.35	0.0745	229	1	100	10
11/21/2014	12:00 PM	64.8	64.8	64.6	56	48.7	0	---	0	0	---	64.8	63.7	63.7	29.881	0	0	0.001	0	67	44	44.4	65	8.35	0.0745	226	1	99.1	10
11/21/2014	12:10 PM	64.9	64.9	64.8	57	49.3	0	---	0	0	---	64.9	63.9	63.9	29.876	0	0	0.001	0	67.1	44	44.4	65.1	8.35	0.0745	228	1	100	10
11/21/2014	12:20 PM	65	65	64.9	57	49.4	0	---	0	0	---	65	64	64	29.874	0	0	0	0	67.3	44	44.6	65.3	8.35	0.0744	228	1	100	10
11/21/2014	12:30 PM	65.1	65.1	65	58	50	0	---	0	0	---	65.1	64.2	64.2	29.87	0	0	0	0.001	67.5	44	44.8	65.5	8.35	0.0744	228	1	100	10
11/21/2014	12:40 PM	65.2	65.2	65.1	58	50	0	---	0	0	---	65.2	64.3	64.3	29.868	0	0	0	0.001	67.5	44	44.8	65.5	8.35	0.0744	227	1	99.6	10
11/21/2014	12:50 PM	65.3	65.3	65.2	58	50.1	0	---	0	0	---	65.3	64.4	64.4	29.868	0	0	0	0.002	67.6	45	45.5	65.8	8.5	0.0744	228	1	100	10
11/21/2014	1:00 PM	65.4	65.5	65.3	58	50.2	0	---	0	0	---	65.4	64.5	64.5	29.868	0	0	0	0.003	67.6	45	45.5	65.8	8.5	0.0744	228	1	100	10
11/21/2014	1:10 PM	65.6	65.6	65.4	57	50	0	---	0	0	---	65.6	64.6	64.6	29.868	0	0	0	0.004	67.8	45	45.7	66	8.49	0.0743	225	1	98.7	10
11/21/2014	1:20 PM	65.6	65.6	65.5	57	50	0	---	0	0	---	65.6	64.6	64.6	29.86	0	0	0	0.004	67.8	45	45.7	66	8.49	0.0743	230	1	100	10
11/21/2014	1:30 PM	65.7	65.7	65.6	57	50	0	---	0	0	---	65.7	64.7	64.7	29.856	0	0	0	0.005	67.9	45	45.8	66.1	8.49	0.0743	226	1	99.1	10
11/21/2014	1:40 PM	65.8	65.8	65.7	57	50.1	0	---	0	0	---	65.8	64.8	64.8	29.857	0	0	0	0.006	67.9	45	45.8	66.1	8.49	0.0743	229	1	100	10
11/21/2014	1:50 PM	65.8	65.9	65.8	57	50.1	0	---	0	0	---	65.8	64.8	64.8	29.853	0	0	0	0.006	68.1	45	45.9	66.3	8.49	0.0742	226	1	99.1	10
11/21/2014	2:00 PM	65.9	65.9	65.8	57	50.2	0	---	0	0	---	65.9	65	65	29.849	0	0	0	0.006	68.1	45	45.9	66.3	8.49	0.0742	230	1	100	10
11/21/2014	2:10 PM	66	66	65.9	57	50.3	0	---	0	0	---	66	65.1	65.1	29.853	0	0	0	0.007	68.3	45	46.1	66.5	8.48	0.0742	226	1	99.1	10
11/21/2014	2:20 PM	66.1	66.1	66	57	50.4	0	---	0	0	---	66.1	65.2	65.2	29.853	0	0	0	0.008	68.3	45	46.1	66.5	8.48	0.0742	227	1	99.6	10
11/21/2014	2:30 PM	66.1	66.1	66.1	57	50.4	0	---	0	0	---	66.1	65.2	65.2	29.857	0	0	0	0.008	68.4	45	46.2	66.6	8.48	0.0742	229	1	100	10
11/21/2014	2:40 PM	66.2	66.2	66.1	56	50	0	---	0	0	---	66.2	65.2	65.2	29.852	0	0	0	0.008	68.4	45	46.2	66.6	8.48	0.0742	225	1	98.7	10
11/21/2014	2:50 PM	66.3	66.3	66.2	56	50.1	0	---	0	0	---	66.3	65.3	65.3	29.853	0	0	0	0.009	68.6	45	46.4	66.7	8.48	0.0742	230	1	100	10
11/21/2014	3:00 PM	66.3	66.3	66.2	56	50.1	0	---	0	0	---	66.3	65.3	65.3	29.857	0	0	0	0.009	68.6	45	46.4	66.7	8.48	0.0742	226	1	99.1	10
11/21/2014	3:10 PM	66.4	66.4	66.3	56	50.2	0	---	0	0	---	66.4	65.5	65.5	29.857	0	0	0	0.01	68.7	45	46.5	66.8	8.48	0.0742	230	1	100	10
11/21/2014	3:20 PM	66.5	66.5	66.4	56	50.3	0	---	0	0	---	66.5	65.6	65.6	29.86	0	0	0	0.01	68.7	45	46.5	66.8	8.48	0.0742	227	1	99.6	10
11/21/2014	3:30 PM	66.6	66.6	66.5	56	50.4	0	---	0	0	---	66.6	65.7	65.7	29.859	0	0	0	0.011	68.9	45	46.7	67	8.47	0.0741	229	1	100	10
11/21/2014	3:40 PM	66.6	66.6	66.5	56	50.4	0	---	0	0	---	66.6	65.7	65.7	29.859	0	0	0	0.011	68.9	45	46.7	67	8.47	0.0741	225	1	98.7	10
11/21/2014	3:50 PM	66.7	66.7	66.6	55	50	0	---	0	0	---	66.7	65.7	65.7	29.86	0	0	0	0.012	68.7	45	46.5	66.8	8.48	0.0742	231	1	100	10
11/21/2014	4:00 PM	66.7	66.7	66.6	56	50.5	0	---	0	0	---	66.7	65.8	65.8	29.86	0	0	0	0.012	68.7	45	46.5	66.8	8.48	0.0742	227	1	99.6	10
11/21/2014	4:10 PM	66.7	66.7	66.7	56	50.5	0	---	0	0	---	66.7	65.8	65.8	29.86	0	0	0	0.012	68.7	45	46.5	66.8	8.48	0.0742	227	1	99.6	10
11/21/2014	4:20 PM	66.7	66.7	66.7	56	50.5	0	---	0	0	---	66.7	65.8	65.8	29.861	0	0	0	0.012	68.9	45	46.7	67	8.47	0.0741	228	1	100	10
11/21/2014	4:30 PM	66.7	66.8	66.7	56	50.5	0	---	0	0	---	66.7	65.8	65.8	29.864	0	0	0	0.012	68.9	45	46.7	67	8.47	0.0741	231	1	100	10
11/21/2014	4:40 PM	66.8	66.8	66.7	56	50.6	0	---	0	0	---	66.8	65.9	65.9	29.868	0	0	0	0.013	68.9	45	46.7	67	8.47	0.0741	229	1	100	10
11/21/2014	4:50 PM	66.8	66.8	66.8	56	50.6	0	---	0	0	---	66.8	65.9	65.9	29.867	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0741	227	1	99.6	10
11/21/2014	5:00 PM	66.8	66.8	66.8	57	51.1	0	---	0	0	---	66.8	66	66	29.873	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0741	229	1	100	10
11/21/2014	5:10 PM	66.8	66.8	66.8	57	51.1	0	---	0	0	---	66.8	66	66	29.876	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0741	224	1	98.2	10
11/21/2014	5:20 PM	66.8	66.8	66.8	57	51.1	0	---	0	0	---	66.8	66	66	29.882	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0742	232	1	100	10
11/21/2014	5:30 PM	66.8	66.9	66.8	57	51.1	0	---	0	0	---	66.8	66	66	29.883	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0742	227	1	99.6	10
11/21/2014	5:40 PM	66.9	66.9	66.8	57	51.2	0	---	0	0	---	66.9	66.1	66.1	29.889	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0742	230	1	100	10
11/21/2014	5:50 PM	66.9	66.9	66.8	57	51.2	0	---	0	0	---	66.9	66.1	66.1	29.896	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0742	227	1	99.6	10
11/21/2014	6:00 PM	66.9	66.9	66.9	58	51.6	0	---	0	0	---	66.9	66.2	66.2	29.902	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0742	227	1	99.6	10
11/21/2014	6:10 PM	66.9	67	66.9	58	51.6	0	---	0	0	---	66.9	66.2	66.2	29.904	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0742	227	1	99.6	10
11/21/2014	6:20 PM	66.9	67	66.9	58	51.6	0	---	0	0	---	66.9	66.2	66.2	29.908	0	0	0	0.013	68.9	46	47.3	67.1	8.65	0.0742	227	1	99.6	10
11/21/2014	6:30 PM	66.9	67	66.9	58	51.6	0	---	0	0	---	66.9	66.2	66.2	29.908	0	0	0	0.013	68.9	47	47.8	67.2	8.77	0.0742	230	1	100	10
11/21/2014	6:40 PM	67	67	66.9	58	51.7	0	---	0	0	---	67	66.3	66.3	29.91	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0742	226	1	99.1	10
11/21/2014	6:50 PM	67	67	66.9	58	51.7	0	---	0	0	---	67	66.3	66.3	29.913	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0742	230	1	100	10
11/21/2014	7:00 PM	67	67	66.9	58	51.7	0	---	0	0	---	67	66.3	66.3	29.916	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0742	225	1	98.7	10
11/21/2014	7:10 PM	67	67	67	58	51.7	0	---	0	0	---	67	66.3	66.3	29.918	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0742	229	1	100	10
11/21/2014	7:20 PM	67	67	67	58	51.7	0	---	0	0	---	67	66.3	66.3	29.927	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0743	227	1	99.6	10
11/21/2014	7:30 PM	67	67	67	58	51.7	0	---	0	0	---	67	66.3	66.3	29.935	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0743	230	1	100	10
11/21/2014	7:40 PM	67	67	67	58	51.7	0	---	0	0	---	67	66.3	66.3	29.933	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0743	227	1	99.6	10
11/21/2014	7:50 PM	67	67	67	58	51.7	0	---	0	0	---	67	66.3	66.3	29.933	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0743	229	1	100	10
11/21/2014	8:00 PM	67	67.1	67	59	52.2	0	---	0	0	---	67	66.4	66.4	29.935	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0743	227	1	99.6	10
11/21/2014	8:10 PM	67.1	67.1	67	59	52.3	0	---	0	0	---	67.1	66.5	66.5	29.937	0	0	0	0.015	68.9	47	47.8	67.2	8.77	0.0743	230	1	100	10
11/21/2014	8:20 PM	67	67.1	67	59	52.2	0	---	0	0	---	67	66.4	66.4	29.943	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0743	230	1	100	10
11/21/2014	8:30 PM	67	67.1	67	59	52.2	0	---	0	0	---	67	66.4	66.4	29.943	0	0	0	0.014	68.9	47	47.8	67.2	8.77	0.0743	228	1	100	10
11/21/2014	8:40 PM	67.1	67.1	67	58	51.8	0	---	0	0	---	67.1	66.5	66.5	29.943	0	0	0	0.015	68.7	47	47.6	67	8.78	0.0743	231	1	100	10
11/21/2014	8:50 PM	67	67.1	67	58	51.7	0	---	0	0	---	67	66.3	66.3	29.949	0	0	0	0.014	68.7	47	47.6	67	8.78	0.0743	226	1	99.1	10
11/21/2014	9:00 PM	67	67.1	67	58	51.7	0	---	0	0	---	67	66.3	66.3	29.956	0	0	0	0.014	68.7	47	47.6	67	8.78	0.0744	230	1	100	10
11/21/2014	9:10 PM	67	67.1	67	57	51.3	0	---	0	0	---	67	66.3	66.3	29.957	0	0	0	0.014	68.7	47	47.6	67	8.78	0.0744	227	1	99.6	10
11/21/2014	9:20 PM	67	67	67	57	51.3	0	---	0	0	---	67	66.3	66.3	29.958	0	0	0	0.014	68.7	47	47.6	67	8.78	0.0744	230	1	100	10
11/21/2014	9:30 PM	67	67	67	57	51.3	0	---	0	0	---	67	66.3	66.3	29.955	0	0	0	0.014	68.6	47	47.6	66.9	8.78	0.0744	225	1	98.7	10
11/21/2014	9:40 PM	67	67	67	56	50.8	0	---	0	0	---	67	66.2	66.2	29.957	0	0	0	0.014	68.6	47	47.6	66.9	8.78	0.0744	231	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/21/2014	9:50 PM	67	67	66.9	56	50.8	0	---	0	0	---	67	66.2	66.2	29.953	0	0	0	0.014	68.6	47	47.6	66.9	8.78	0.0744	227	1	99.6	10
11/21/2014	10:00 PM	66.9	67	66.9	56	50.7	0	---	0	0	---	66.9	66.1	66.1	29.954	0	0	0	0.013	68.6	47	47.6	66.9	8.78	0.0744	225	1	98.7	10
11/21/2014	10:10 PM	66.9	67	66.9	55	50.2	0	---	0	0	---	66.9	66	66	29.955	0	0	0	0.013	68.6	47	47.6	66.9	8.78	0.0744	229	1	100	10
11/21/2014	10:20 PM	66.9	66.9	66.9	55	50.2	0	---	0	0	---	66.9	66	66	29.954	0	0	0	0.013	68.6	47	47.6	66.9	8.78	0.0744	225	1	98.7	10
11/21/2014	10:30 PM	66.9	66.9	66.9	55	50.2	0	---	0	0	---	66.9	66	66	29.954	0	0	0	0.013	68.6	46	47	66.8	8.65	0.0744	230	1	100	10
11/21/2014	10:40 PM	66.9	66.9	66.8	55	50.2	0	---	0	0	---	66.9	66	66	29.959	0	0	0	0.013	68.6	46	47	66.8	8.65	0.0744	225	1	98.7	10
11/21/2014	10:50 PM	66.9	66.9	66.8	54	49.7	0	---	0	0	---	66.9	65.9	65.9	29.966	0	0	0	0.013	68.6	46	47	66.8	8.65	0.0744	230	1	100	10
11/21/2014	11:00 PM	66.8	66.9	66.8	54	49.6	0	---	0	0	---	66.8	65.8	65.8	29.968	0	0	0	0.013	68.6	46	47	66.8	8.65	0.0744	225	1	98.7	10
11/21/2014	11:10 PM	66.8	66.8	66.8	54	49.6	0	---	0	0	---	66.8	65.8	65.8	29.971	0	0	0	0.013	68.6	46	47	66.8	8.65	0.0744	229	1	100	10
11/21/2014	11:20 PM	66.8	66.8	66.8	53	49.1	0	---	0	0	---	66.8	65.7	65.7	29.978	0	0	0	0.013	68.4	46	46.8	66.7	8.65	0.0745	227	1	99.6	10
11/21/2014	11:30 PM	66.8	66.8	66.8	53	49.1	0	---	0	0	---	66.8	65.7	65.7	29.982	0	0	0	0.013	68.4	46	46.8	66.7	8.65	0.0745	228	1	100	10
11/21/2014	11:40 PM	66.7	66.8	66.7	52	48.5	0	---	0	0	---	66.7	65.4	65.4	29.98	0	0	0	0.012	68.4	46	46.8	66.7	8.65	0.0745	226	1	99.1	10
11/21/2014	11:50 PM	66.7	66.8	66.7	52	48.5	0	---	0	0	---	66.7	65.4	65.4	29.984	0	0	0	0.012	68.4	45	46.2	66.6	8.48	0.0745	231	1	100	10
11/22/2014	12:10 AM	66.7	66.7	66.7	51	48	0	---	0	0	---	66.7	65.3	65.3	29.984	0	0	0	0.012	68.4	45	46.2	66.6	8.48	0.0745	225	1	98.7	10
11/22/2014	12:20 AM	66.7	66.7	66.7	53	49	0	---	0	0	---	66.7	65.5	65.5	29.984	0	0	0	0.012	68.4	45	46.2	66.6	8.48	0.0745	229	1	100	10
11/22/2014	12:30 AM	66.7	66.7	66.6	53	49	0	---	0	0	---	66.7	65.5	65.5	29.982	0	0	0	0.012	68.4	45	46.2	66.6	8.48	0.0745	227	1	99.6	10
11/22/2014	12:40 AM	66.6	66.7	66.6	52	48.4	0	---	0	0	---	66.6	65.3	65.3	29.978	0	0	0	0.011	68.4	45	46.2	66.6	8.48	0.0745	230	1	100	10
11/22/2014	12:50 AM	66.6	66.6	66.6	52	48.4	0	---	0	0	---	66.6	65.3	65.3	29.98	0	0	0	0.011	68.4	45	46.2	66.6	8.48	0.0745	226	1	99.1	10
11/22/2014	1:00 AM	66.6	66.6	66.6	52	48.4	0	---	0	0	---	66.6	65.3	65.3	29.981	0	0	0	0.011	68.3	45	46.1	66.5	8.48	0.0745	230	1	100	10
11/22/2014	1:10 AM	66.6	66.6	66.6	52	48.4	0	---	0	0	---	66.6	65.3	65.3	29.977	0	0	0	0.011	68.3	45	46.1	66.5	8.48	0.0745	224	1	98.2	10
11/22/2014	1:20 AM	66.5	66.6	66.5	52	48.3	0	---	0	0	---	66.5	65.2	65.2	29.979	0	0	0	0.01	68.3	44	45.5	66.4	8.35	0.0745	230	1	100	10
11/22/2014	1:30 AM	66.5	66.6	66.5	52	48.3	0	---	0	0	---	66.5	65.2	65.2	29.986	0	0	0	0.01	68.3	44	45.5	66.4	8.35	0.0746	227	1	99.6	10
11/22/2014	1:40 AM	66.5	66.5	66.5	52	48.3	0	---	0	0	---	66.5	65.2	65.2	29.987	0	0	0	0.01	68.3	44	45.5	66.4	8.35	0.0746	230	1	100	10
11/22/2014	1:50 AM	66.5	66.5	66.5	52	48.3	0	---	0	0	---	66.5	65.2	65.2	29.992	0	0	0	0.01	68.3	44	45.5	66.4	8.35	0.0746	229	1	100	10
11/22/2014	2:00 AM	66.4	66.5	66.4	52	48.2	0	---	0	0	---	66.4	65.1	65.1	29.989	0	0	0	0.01	68.3	44	45.5	66.4	8.35	0.0746	229	1	100	10
11/22/2014	2:10 AM	66.4	66.5	66.4	52	48.2	0	---	0	0	---	66.4	65.1	65.1	29.99	0	0	0	0.01	68.3	44	45.5	66.4	8.35	0.0746	231	1	100	10
11/22/2014	2:20 AM	66.4	66.4	66.4	52	48.2	0	---	0	0	---	66.4	65.1	65.1	29.987	0	0	0	0.01	68.3	44	45.5	66.4	8.35	0.0746	225	1	98.7	10
11/22/2014	2:30 AM	66.4	66.4	66.4	52	48.2	0	---	0	0	---	66.4	65.1	65.1	29.992	0	0	0	0.01	68.1	44	45.4	66.2	8.35	0.0746	229	1	100	10
11/22/2014	2:40 AM	66.3	66.4	66.3	51	47.6	0	---	0	0	---	66.3	64.9	64.9	29.992	0	0	0	0.009	68.1	44	45.4	66.2	8.35	0.0746	227	1	99.6	10
11/22/2014	2:50 AM	66.3	66.4	66.3	51	47.6	0	---	0	0	---	66.3	64.9	64.9	29.987	0	0	0	0.009	68.1	44	45.4	66.2	8.35	0.0746	229	1	100	10
11/22/2014	3:00 AM	66.3	66.3	66.3	51	47.6	0	---	0	0	---	66.3	64.9	64.9	29.985	0	0	0	0.009	68.1	44	45.4	66.2	8.35	0.0746	227	1	99.6	10
11/22/2014	3:10 AM	66.3	66.3	66.3	51	47.6	0	---	0	0	---	66.3	64.9	64.9	29.98	0	0	0	0.009	68.1	44	45.4	66.2	8.35	0.0746	229	1	100	10
11/22/2014	3:20 AM	66.3	66.3	66.2	51	47.6	0	---	0	0	---	66.3	64.9	64.9	29.981	0	0	0	0.009	68.1	44	45.4	66.2	8.35	0.0746	225	1	98.7	10
11/22/2014	3:30 AM	66.3	66.3	66.2	51	47.6	0	---	0	0	---	66.3	64.9	64.9	29.981	0	0	0	0.009	68.1	44	45.4	66.2	8.35	0.0746	229	1	100	10
11/22/2014	3:40 AM	66.2	66.3	66.2	51	47.5	0	---	0	0	---	66.2	64.7	64.7	29.984	0	0	0	0.008	67.9	43	44.6	65.8	8.25	0.0746	228	1	100	10
11/22/2014	3:50 AM	66.2	66.2	66.2	51	47.5	0	---	0	0	---	66.2	64.7	64.7	29.987	0	0	0	0.008	67.9	43	44.6	65.8	8.25	0.0746	229	1	100	10
11/22/2014	4:00 AM	66.2	66.2	66.1	50	47	0	---	0	0	---	66.2	64.6	64.6	29.988	0	0	0	0.008	67.9	43	44.6	65.8	8.25	0.0746	229	1	100	10
11/22/2014	4:10 AM	66.1	66.2	66.1	50	46.9	0	---	0	0	---	66.1	64.5	64.5	29.989	0	0	0	0.008	67.9	43	44.6	65.8	8.25	0.0747	227	1	99.6	10
11/22/2014	4:20 AM	66.1	66.2	66.1	50	46.9	0	---	0	0	---	66.1	64.5	64.5	29.988	0	0	0	0.008	67.9	43	44.6	65.8	8.25	0.0746	230	1	100	10
11/22/2014	4:30 AM	66.1	66.1	66.1	50	46.9	0	---	0	0	---	66.1	64.5	64.5	29.988	0	0	0	0.008	67.9	43	44.6	65.8	8.25	0.0746	226	1	99.1	10
11/22/2014	4:40 AM	66.1	66.1	66.1	50	46.9	0	---	0	0	---	66.1	64.5	64.5	29.987	0	0	0	0.008	67.8	43	44.5	65.7	8.25	0.0747	230	1	100	10
11/22/2014	4:50 AM	66.1	66.1	66	50	46.9	0	---	0	0	---	66.1	64.5	64.5	29.985	0	0	0	0.008	67.8	43	44.5	65.7	8.25	0.0747	227	1	99.6	10
11/22/2014	5:00 AM	66	66.1	66	50	46.8	0	---	0	0	---	66	64.4	64.4	29.983	0	0	0	0.007	67.8	43	44.5	65.7	8.25	0.0747	229	1	100	10
11/22/2014	5:10 AM	66	66	65.9	50	46.8	0	---	0	0	---	66	64.4	64.4	29.982	0	0	0	0.007	67.8	43	44.5	65.7	8.25	0.0747	230	1	100	10
11/22/2014	5:20 AM	65.9	66	65.9	49	46.2	0	---	0	0	---	65.9	64.2	64.2	29.984	0	0	0	0.006	67.6	43	44.3	65.5	8.25	0.0747	228	1	100	10
11/22/2014	5:30 AM	65.9	66	65.9	49	46.2	0	---	0	0	---	65.9	64.2	64.2	29.989	0	0	0	0.006	67.6	43	44.3	65.5	8.25	0.0747	229	1	100	10
11/22/2014	5:40 AM	65.9	65.9	65.9	49	46.2	0	---	0	0	---	65.9	64.2	64.2	29.998	0	0	0	0.006	67.6	43	44.3	65.5	8.25	0.0747	227	1	99.6	10
11/22/2014	5:50 AM	65.9	65.9	65.9	49	46.2	0	---	0	0	---	65.9	64.2	64.2	30.001	0	0	0	0.006	67.6	43	44.3	65.5	8.25	0.0747	230	1	100	10
11/22/2014	6:00 AM	65.8	65.9	65.8	49	46.1	0	---	0	0	---	65.8	64.1	64.1	29.997	0	0	0	0.006	67.6	43	44.3	65.5	8.25	0.0747	226	1	99.1	10
11/22/2014	6:10 AM	65.8	65.8	65.8	49	46.1	0	---	0	0	---	65.8	64.1	64.1	29.983	0	0	0	0.006	67.6	43	44.3	65.5	8.25	0.0747	228	1	100	10
11/22/2014	6:20 AM	65.8	65.8	65.8	49	46.1	0	---	0	0	---	65.8	64.1	64.1	29.993	0	0	0	0.006	67.5	43	44.2	65.4	8.25	0.0747	226	1	99.1	10
11/22/2014	6:30 AM	65.8	65.8	65.8	49	46.1	0	---	0	0	---	65.8	64.1	64.1	29.985	0	0	0	0.006	67.5	43	44.2	65.4	8.25	0.0747	228	1	100	10
11/22/2014	6:40 AM	65.7	65.8	65.7	49	46	0	---	0	0	---	65.7	64	64	29.992	0	0	0	0.005	67.5	43	44.2	65.4	8.25	0.0747	229	1	100	10
11/22/2014	6:50 AM	65.7	65.8	65.7	49	46	0	---	0	0	---	65.7	64	64	29.998	0	0	0	0.005	67.5	43	44.2	65.4	8.25	0.0747	230	1	100	10
11/22/2014	7:00 AM	65.7	65.7	65.7	48	45.5	0	---	0	0	---	65.7	63.9	63.9	30.001	0	0	0	0.005	67.5	43	44.2	65.4	8.25	0.0747	228	1	100	10
11/22/2014	7:10 AM	65.7	65.7	65.6	48	45.5	0	---	0	0	---	65.7	63.9	63.9	30.006	0	0	0	0.005	67.3	42	43.4	65.1	8.1	0.0748	229	1	100	10
11/22/2014	7:20 AM	65.7	65.7	65.6	48	45.5	0	---	0	0	---	65.7	63.9	63.9	30.012	0	0	0	0.005	67.3	42	43.4	65.1	8.1	0.0748	229	1	100	10
11/22/2014	7:30 AM	65.6	65.6	65.6	48	45.4	0	---	0	0	---	65.6	63.8	63.8	30.014	0	0	0	0.004	67.3	42	43.4	65.1	8.1	0.0748	230	1	100	10
11/22/2014	7:40 AM	65.6	65.6	65.6	48	45.4	0	---	0	0	---	65.6	63.8	63.8	30.019	0	0	0	0.004	67.3	42	43.4	65.1	8.1	0.0748	229	1	100	10
11/22/2014	7:50 AM	65.6	65.6	65.6	48	45.4	0	---	0	0	---	65.6	63.8	63.8	30.013	0	0	0	0.004	67.3	42	43.4	65.1	8.1	0.0748	226	1	99.1	10
11/22/2014	8:00 AM	65.5	65.6	65.5	48	45.3	0	---	0	0	---	65.5	63.7	63.7	30.028	0	0	0	0.003	67.3	42	43.4	65.1	8.1	0.0749	231	1	100	10
11/22/2014	8:10 AM	65.5	65.5	65.5	48	45.3	0	---	0	0	---	65.5	63.7	63.7	30.018	0	0	0	0.003	67.1	42	43.2	64.8	8.11	0.0749	227	1	99.6	10
11/22/2014	8:20 AM	65.5	65.5	65.5	48	45.3	0	---	0	0	---	65.5	63.7	63.7	30.023	0	0	0	0.003	67.1	42	43.2	64.8	8.11	0.0749	230	1	100	10
11/22/2014	8:30 AM	65.4	65.5	65.4	48	45.2	0	---	0	0	---	65.4	63.5	63.5	30.03	0	0	0	0.003	67.1	42	43.2	64.8	8.11	0.0749	226	1	99.1	10
11/22/2014	8:40 AM	65.4	65.5	65.4	48	45.2	0	---	0	0	---	65.4	63.5	63.5	30.034	0	0	0	0.003	67.1	42	43.2	64.8	8.11	0.0749	230	1	100	10
11/22/2014	8:50 AM	64.9	65.4	64.9	52	46.8	1	NE	0.17	4	ENE	64.9	63.4	63.4	30.04	0	0	0.001	0	67.3	45	45.2	65.4	8.5	0.0748	227	1	99.6	10
11/22/2014	9:00 AM	63.9	64.8	63.9	56	47.9	1	ENE	0.17	4	NW	63.9	62.7	62.7	30.038	0	0	0.008	0	67.1	47	46.2	65.4	8.81	0.0748	227	1	99.6	10
11/22/2014	9:10 AM	64	64	63.8	61	50.3	1	NNW	0.17	4	NW	64	63.2	63.2	30.042	0	0	0.007	0	67.1	49	47.3	65.6	9.11	0.0748	229	1	100	10
11/22/2014	9:20 AM	64.3	64.3	64	62	51	1	NE	0.17	5	E	64.3	63.6	63.6	30.033	0	0	0.005	0	68.3	50	48.9	67	9.28	0.0746	228	1	100	10
11/22/2014	9:30 AM	64.6	64.6	64.2	64	52.1	1	ENE	0.17	4	NE	64.6	64.1	64.1	30.038	0	0	0.003	0	68.6	53	50.8	67.5	9.88	0.0745	230	1	100	10
11/22/2014	9:40 AM	65.8	65.8	64.6	65	53.7	1	E	0.17	3	ENE	65.8	65.6	65.6	30.039	0	0	0	0.006	69.7	54	52.3	68.4	9.96	0.0743	224	1	98.2	10
11/22/2014	9:50 AM	66.5	66.5	65.8	63	53.5	1	E	0.17	3	E	66.5	66.2	66.2	30.042	0	0	0	0.01	72.4	53	54.3	71.9	9.75	0.0738	229	1	100	10
11/22/2014	10:00 AM	67.2	67.2	66.5	63	54.2	0	ENE	0	2	ENE	67.2	67	67	30.033	0	0	0	0.015	74.3	52	55.5	74.3	9.56	0.0735	228	1	100	10
11/22/2014	10:10 AM	67.8	67.8	67.2	60	53.4	1	ESE	0.17	5	E	67.8	67.5	67.5	30.035	0	0	0	0.019	75.7	49	55.2	75.6	9.04	0.0733	229	1	100	10
11/22/2014	10:20 AM	68.4	68.4	67.8	58	53	1	WSW	0.17	4	WSW	68.4	67.8	67.8	30.033	0	0	0	0.024	76.7	47	55	76.4	8.72	0.0732	227	1	99.6	10
11/22/2014	10:30 AM	68.7	68.7	68.4	57	52.8	1	WSW	0.17	3	WSW	68.7	67.9	67.9	30.041	0	0	0	0.026	78.9	45	55.8	78.6	8.37	0.0729	228	1	100	10
11/22/2014	10:40 AM	69.8	69.8	68.7	54	52.4	1	NE	0.17	3	SE	69.8	68.5	68.5	30.038	0	0	0	0.033	80.5	42	55.3	79.7	7.85	0.0727	225	1	98.7	10
11/22/2014	10:50 AM	70.3	70.4	69.8	53	52.4	1	ENE	0.17	4	ENE	70.3	68.9	68.9	30.033	0	0	0	0.037	83.8	38	55.5	83.6	7.25	0.0722	229	1	100	10
11/22/2014	11:00 AM	70.7	70.7	70.3	49	50.6	1	E	0.17	4	NE	70.7	69.1	69.1	30.018	0	0	0	0.04	85.4	34	53.8	84.4	6.46	0.072	228	1	100	10
11/22/2014	11:10 AM	71.2	71.2	70.7	50	51.6	1	E	0.17	4	ESE	71.2	69.9	69.9	30.008	0	0	0	0.043	85.6	35	54.8	84.9	6.66	0.0719	230	1	100	10
11/22/2014	11:20 AM	71.7	71.7	71.2	49	51.5	1	E	0.17	3	E	71.7	70.5	70.5	30.005	0	0	0	0.047	85.6	34	54	84.7	6.46	0.072	226	1	99.1	10
11/22/2014	11:30 AM	71.5	71.8	71.5	56	55	2	ESE	0.33	4	W	71.5	70.8	70.8	30.006	0	0	0	0.045	86	36	55.9	85.5	6.77	0.0718	229	1	100	10
11/22/2014	11:40 AM	71.3	71.5	71.2	58	55.8	1	WNW	0.17	5	W	71.3	70.7	70.7	29.998	0	0	0	0.044	86.2	37	56.9	85.9	7.03	0.0718	227	1	99.6	10
11/22/2014	11:50 AM	71.1	71.3	71.1	58	55.6	1	S	0.17	4	SSW	71.1	70.4	70.4	29.995	0	0	0	0.042	83.7	38	55.4	83.4	7.25	0.0721	229	1	100	10
11/22/2014	12:00 PM	70.5	71.1	70.5	59	55.5	1	S	0.17	5	S	70.5	69.8	69.8	29.987	0	0	0	0.038	82.3	39	54.9	81.6	7.4	0.0723	227	1	99.6	10
11/22/2014	12:10 PM	70	70.6	70	60	55.5	2	S	0.33	4	SW	70	69.2	69.2	29.986	0	0	0	0.035	81.8	40	55.1	81	7.55	0.0724	229	1	100	10
11/22/2014	12:20 PM	69.9	70	69.9	59	54.9	1	S	0.17	6	SSE	69.9	69	69	29.985	0	0	0	0.034	81	41	55.1	80.1	7.73	0.0725	226	1	99.1	10
11/22/2014	12:30 PM	69.4	69.9	69.4	60	54.9	1	S	0.17	4	S	69.4	68.7	68.7	29.988	0	0	0	0.031	79.9	41	54.1	79	7.75	0.0727	229	1	100	10
11/22/2014	12:40 PM	68.7	69.4	68.7	63	55.6	3	S	0.5	6	SSW	68.7	68.5	68.5	29.989	0	0	0	0.026	78.9	43	54.5	78.4	8.05	0.0728	227	1	99.6	10
11/22/2014	12:50 PM	68.5	68.7	68.5	64	55.8	2	S	0.33	5	S	68.5	68.4	68.4	29.98	0	0	0	0.024	77.1	44	53.5	76.5	8.21	0.0731	228	1	100	10
11/22/2014	1:00 PM	68.2	68.6	68.2	67	56.8	2	SSW	0.33	8	S	68.2	68.5	68.5	29.973	0	0	0	0.022	75.2	49	54.7	75.2	9.05	0.0733	226	1	99.1	10
11/22/2014	1:10 PM	67.6	68.2	67.6	64	55	3	S	0.5	6	SSE	67.6	67.6	67.6	29.978	0	0	0	0.018	73.8	49	53.4	73.4	9.05	0.0735	229	1	100	10
11/22/2014	1:20 PM	67.6	67.6	67.5	67	56.2	2	S	0.33	5	SSE	67.6	67.9	67.9	29.968	0	0	0	0.018	72.6	52	54	72.1	9.6	0.0736	229	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/22/2014	1:30 PM	67.5	67.6	67.5	67	56.2	2 S		0.33	8 SSW		67.5	67.8	67.8	29.974	0	0	0	0.017	71.8	55	54.8	71.2	10.11	0.0737	225	1	98.7	10
11/22/2014	1:40 PM	67.4	67.6	67.3	71	57.7	2 S		0.33	6 SSW		67.4	67.9	67.9	29.968	0	0	0	0.017	71.1	58	55.6	70.4	10.71	0.0738	231	1	100	10
11/22/2014	1:50 PM	67.6	67.6	67.4	70	57.5	1 SSW		0.17	6 SSE		67.6	68.1	68.1	29.966	0	0	0	0.018	70.6	58	55.1	69.8	10.73	0.0739	224	1	98.2	10
11/22/2014	2:00 PM	67.5	67.6	67.5	70	57.4	1 SW		0.17	6 SSW		67.5	68	68	29.972	0	0	0	0.017	70.1	59	55.1	69.2	10.95	0.0739	230	1	100	10
11/22/2014	2:10 PM	66.9	67.5	66.9	70	56.8	2 S		0.33	6 SSE		66.9	67.3	67.3	29.966	0	0	0	0.013	69.7	61	55.6	69.1	11.25	0.074	226	1	99.1	10
11/22/2014	2:20 PM	66.6	66.9	66.6	66	54.9	3 S		0.5	6 S		66.6	66.6	66.6	29.964	0	0	0	0.011	69.2	58	53.8	68.4	10.75	0.0741	231	1	100	10
11/22/2014	2:30 PM	66.5	66.6	66.4	65	54.4	2 S		0.33	6 SW		66.5	66.4	66.4	29.956	0	0	0	0.01	68.6	56	52.3	67.8	10.38	0.0742	228	1	100	10
11/22/2014	2:40 PM	66.6	66.7	66.5	65	54.5	2 S		0.33	6 S		66.6	66.5	66.5	29.953	0	0	0	0.011	68.3	58	52.9	67.7	10.75	0.0742	227	1	99.6	10
11/22/2014	2:50 PM	66.6	66.7	66.6	65	54.5	3 S		0.5	7 SSE		66.6	66.5	66.5	29.953	0	0	0	0.011	67.9	57	52.1	67.3	10.59	0.0743	228	1	100	10
11/22/2014	3:00 PM	66.6	66.6	66.5	65	54.5	1 S		0.17	5 SW		66.6	66.5	66.5	29.942	0	0	0	0.011	67.8	58	52.5	67.3	10.75	0.0743	227	1	99.6	10
11/22/2014	3:10 PM	66.4	66.6	66.4	66	54.7	3 S		0.5	7 SE		66.4	66.4	66.4	29.938	0	0	0	0.01	67.6	60	53.2	67.2	11.05	0.0743	229	1	100	10
11/22/2014	3:20 PM	66.6	66.6	66.3	64	54	1 SSW		0.17	4 SSE		66.6	66.4	66.4	29.947	0.01	0	0	0.011	72.6	56	56	72.5	10.3	0.0735	221	1	96.9	10
11/22/2014	3:30 PM	67.3	67.3	66.6	63	54.3	0 ---		0	0 ---		67.3	67.2	67.2	29.948	0	0	0	0.016	75.9	48	54.8	75.8	8.93	0.0731	229	1	100	10
11/22/2014	3:40 PM	67.8	67.8	67.2	63	54.7	0 ---		0	0 ---		67.8	67.8	67.8	29.943	0.01	0	0	0.019	74.1	50	54.3	73.8	9.25	0.0734	225	1	98.7	10
11/22/2014	3:50 PM	68.1	68.1	67.7	62	54.6	0 ---		0	0 ---		68.1	68	68	29.952	0.01	0.07	0	0.022	73.1	50	53.4	72.6	9.25	0.0735	229	1	100	10
11/22/2014	4:00 PM	68.2	68.2	68	62	54.7	0 ---		0	0 ---		68.2	68	68	29.947	0	0.04	0	0.022	72.6	51	53.4	72	9.4	0.0736	226	1	99.1	10
11/22/2014	4:10 PM	68.3	68.3	68.2	62	54.8	0 ---		0	0 ---		68.3	68.1	68.1	29.938	0	0	0	0.023	72.1	51	53	71.3	9.41	0.0737	230	1	100	10
11/22/2014	4:20 PM	68.3	68.3	68.2	62	54.8	0 ---		0	0 ---		68.3	68.1	68.1	29.938	0	0	0	0.023	71.9	51	52.8	71	9.41	0.0737	224	1	98.2	10
11/22/2014	4:30 PM	68.2	68.3	68.2	62	54.7	0 ---		0	0 ---		68.2	68	68	29.93	0	0	0	0.022	71.6	51	52.5	70.6	9.42	0.0737	230	1	100	10
11/22/2014	4:40 PM	68.2	68.2	68.1	62	54.7	0 ---		0	0 ---		68.2	68	68	29.933	0	0	0	0.022	71.4	51	52.3	70.3	9.42	0.0738	228	1	100	10
11/22/2014	4:50 PM	68.1	68.2	68.1	62	54.6	0 ---		0	0 ---		68.1	68	68	29.928	0	0	0	0.022	71.3	51	52.2	70.1	9.42	0.0738	228	1	100	10
11/22/2014	5:00 PM	68.1	68.1	68.1	62	54.6	0 ---		0	0 ---		68.1	68	68	29.93	0	0	0	0.022	71.1	51	52	69.8	9.43	0.0738	227	1	99.6	10
11/22/2014	5:10 PM	68	68.1	68	62	54.5	0 ---		0	0 ---		68	67.9	67.9	29.931	0	0	0	0.021	70.9	51	51.9	69.6	9.43	0.0739	228	1	100	10
11/22/2014	5:20 PM	68	68	68	62	54.5	0 ---		0	0 ---		68	67.9	67.9	29.936	0	0	0	0.021	70.7	51	51.7	69.3	9.44	0.0739	231	1	100	10
11/22/2014	5:30 PM	67.9	68	67.9	62	54.4	0 ---		0	0 ---		67.9	67.8	67.8	29.925	0	0	0	0.02	70.6	51	51.6	69.2	9.44	0.0739	227	1	99.6	10
11/22/2014	5:40 PM	67.9	67.9	67.9	63	54.8	0 ---		0	0 ---		67.9	67.9	67.9	29.922	0	0	0	0.02	70.4	51	51.4	68.9	9.44	0.0739	230	1	100	10
11/22/2014	5:50 PM	67.9	67.9	67.8	63	54.8	0 ---		0	0 ---		67.9	67.9	67.9	29.927	0	0	0	0.02	70.4	52	51.9	69	9.64	0.0739	226	1	99.1	10
11/22/2014	6:00 PM	67.9	67.9	67.8	63	54.8	0 ---		0	0 ---		67.9	67.9	67.9	29.929	0	0	0	0.02	70.2	52	51.7	68.7	9.65	0.0739	230	1	100	10
11/22/2014	6:10 PM	67.8	67.9	67.8	63	54.7	0 ---		0	0 ---		67.8	67.8	67.8	29.933	0	0	0	0.019	70.2	52	51.7	68.7	9.65	0.074	227	1	99.6	10
11/22/2014	6:20 PM	67.7	67.8	67.7	63	54.6	0 ---		0	0 ---		67.7	67.6	67.6	29.936	0	0	0	0.019	70.1	52	51.7	68.6	9.65	0.074	229	1	100	10
11/22/2014	6:30 PM	67.7	67.8	67.7	63	54.6	0 ---		0	0 ---		67.7	67.6	67.6	29.936	0	0	0	0.019	70.1	52	51.7	68.6	9.65	0.074	228	1	100	10
11/22/2014	6:40 PM	67.7	67.7	67.7	63	54.6	0 ---		0	0 ---		67.7	67.6	67.6	29.938	0	0	0	0.019	69.9	52	51.5	68.4	9.65	0.074	227	1	99.6	10
11/22/2014	6:50 PM	67.6	67.7	67.6	63	54.6	0 ---		0	0 ---		67.6	67.5	67.5	29.935	0	0	0	0.018	69.9	52	51.5	68.4	9.65	0.074	229	1	100	10
11/22/2014	7:00 PM	67.6	67.6	67.6	63	54.6	0 ---		0	0 ---		67.6	67.5	67.5	29.933	0	0	0	0.018	69.7	52	51.3	68.3	9.66	0.074	227	1	99.6	10
11/22/2014	7:10 PM	67.6	67.6	67.6	63	54.6	0 ---		0	0 ---		67.6	67.5	67.5	29.939	0	0	0	0.018	69.7	52	51.3	68.3	9.66	0.0741	229	1	100	10
11/22/2014	7:20 PM	67.5	67.6	67.5	63	54.5	0 ---		0	0 ---		67.5	67.4	67.4	29.943	0	0	0	0.017	69.7	52	51.3	68.3	9.66	0.0741	227	1	99.6	10
11/22/2014	7:30 PM	67.5	67.5	67.5	63	54.5	0 ---		0	0 ---		67.5	67.4	67.4	29.946	0	0	0	0.017	69.6	52	51.2	68.2	9.66	0.0741	229	1	100	10
11/22/2014	7:40 PM	67.5	67.5	67.4	63	54.5	0 ---		0	0 ---		67.5	67.4	67.4	29.952	0	0	0	0.017	69.6	52	51.2	68.2	9.66	0.0741	226	1	99.1	10
11/22/2014	7:50 PM	67.4	67.5	67.4	63	54.4	0 ---		0	0 ---		67.4	67.3	67.3	29.949	0	0	0	0.017	69.6	52	51.2	68.2	9.66	0.0741	230	1	100	10
11/22/2014	8:00 PM	67.4	67.4	67.4	63	54.4	0 ---		0	0 ---		67.4	67.3	67.3	29.949	0	0	0	0.017	69.4	52	51	68	9.66	0.0741	225	1	98.7	10
11/22/2014	8:10 PM	67.3	67.4	67.3	63	54.3	0 ---		0	0 ---		67.3	67.2	67.2	29.954	0	0	0	0.016	69.4	52	51	68	9.66	0.0741	230	1	100	10
11/22/2014	8:20 PM	67.3	67.4	67.3	63	54.3	0 ---		0	0 ---		67.3	67.2	67.2	29.954	0	0	0	0.016	69.4	52	51	68	9.66	0.0741	226	1	99.1	10
11/22/2014	8:30 PM	67.3	67.3	67.3	63	54.3	0 ---		0	0 ---		67.3	67.2	67.2	29.957	0	0	0	0.016	69.4	52	51	68	9.66	0.0742	229	1	100	10
11/22/2014	8:40 PM	67.2	67.3	67.2	63	54.2	0 ---		0	0 ---		67.2	67	67	29.959	0	0	0	0.015	69.2	52	50.8	67.9	9.67	0.0742	230	1	100	10
11/22/2014	8:50 PM	67.2	67.3	67.2	63	54.2	0 ---		0	0 ---		67.2	67	67	29.958	0	0	0	0.015	69.2	52	50.8	67.9	9.67	0.0742	227	1	99.6	10
11/22/2014	9:00 PM	67.2	67.2	67.2	63	54.2	0 ---		0	0 ---		67.2	67	67	29.965	0	0	0	0.015	69.2	52	50.8	67.9	9.67	0.0742	227	1	99.6	10
11/22/2014	9:10 PM	67.2	67.2	67.2	63	54.2	0 ---		0	0 ---		67.2	67	67	29.964	0	0	0	0.015	69.2	52	50.8	67.9	9.67	0.0742	227	1	99.6	10
11/22/2014	9:20 PM	67.2	67.2	67.1	63	54.2	0 ---		0	0 ---		67.2	67	67	29.963	0	0	0	0.015	69.1	52	50.7	67.8	9.67	0.0742	230	1	100	10
11/22/2014	9:30 PM	67.1	67.2	67.1	63	54.1	0 ---		0	0 ---		67.1	66.9	66.9	29.963	0	0	0	0.015	69.1	52	50.7	67.8	9.67	0.0742	225	1	98.7	10
11/22/2014	9:40 PM	67.1	67.1	67.1	63	54.1	0 ---		0	0 ---		67.1	66.9	66.9	29.965	0	0	0	0.015	69.1	52	50.7	67.8	9.67	0.0742	230	1	100	10
11/22/2014	9:50 PM	67.1	67.1	67	63	54.1	0 ---		0	0 ---		67.1	66.9	66.9	29.965	0	0	0	0.015	69.1	52	50.7	67.8	9.67	0.0742	226	1	99.1	10
11/22/2014	10:00 PM	67	67.1	67	63	54	0 ---		0	0 ---		67	66.8	66.8	29.966	0	0	0	0.014	69.1	52	50.7	67.8	9.67	0.0742	230	1	100	10
11/22/2014	10:10 PM	67	67	67	63	54	0 ---		0	0 ---		67	66.8	66.8	29.968	0	0	0	0.014	68.9	52	50.5	67.7	9.67	0.0743	227	1	99.6	10
11/22/2014	10:20 PM	67	67	67	63	54	0 ---		0	0 ---		67	66.8	66.8	29.968	0	0	0	0.014	68.9	52	50.5	67.7	9.67	0.0743	229	1	100	10
11/22/2014	10:30 PM	66.9	67	66.9	63	53.9	0 ---		0	0 ---		66.9	66.7	66.7	29.964	0	0	0	0.013	68.9	52	50.5	67.7	9.67	0.0743	228	1	100	10
11/22/2014	10:40 PM	66.9	67	66.9	63	53.9	0 ---		0	0 ---		66.9	66.7	66.7	29.963	0	0	0	0.013	68.9	53	51.1	67.8	9.87	0.0742	229	1	100	10
11/22/2014	10:50 PM	66.9	66.9	66.9	63	53.9	0 ---		0	0 ---		66.9	66.7	66.7	29.965	0	0	0	0.013	68.9	53	51.1	67.8	9.87	0.0742	229	1	100	10
11/22/2014	11:00 PM	66.9	66.9	66.8	63	53.9	0 ---		0	0 ---		66.9	66.7	66.7	29.963	0	0	0	0.013	68.7	53	50.9	67.6	9.88	0.0743	228	1	100	10
11/22/2014	11:10 PM	66.8	66.9	66.8	63	53.8	0 ---		0	0 ---		66.8	66.6	66.6	29.964	0	0	0	0.013	68.7	53	50.9	67.6	9.88	0.0743	229	1	100	10
11/22/2014	11:20 PM	66.8	66.8	66.8	63	53.8	0 ---		0	0 ---		66.8	66.6	66.6	29.961	0	0	0	0.013	68.7	53	50.9	67.6	9.88	0.0743	225	1	98.7	10
11/22/2014	11:30 PM	66.8	66.8	66.8	63	53.8	0 ---		0	0 ---		66.8	66.6	66.6	29.96	0	0	0	0.013	68.7	53	50.9	67.6	9.88	0.0743	231	1	100	10
11/22/2014	11:40 PM	66.8	66.8	66.8	63	53.8	0 ---		0	0 ---		66.8	66.6	66.6	29.961	0	0	0	0.013	68.7	53	50.9	67.6	9.88	0.0743	225	1	98.7	10
11/22/2014	11:50 PM	66.8	66.8	66.7	63	53.8	0 ---		0	0 ---		66.8	66.6	66.6	29.958	0	0	0	0.013	68.7	53	50.9	67.6	9.88	0.0743	232	1	100	10
11/23/2014	12:10 AM	66.7	66.8	66.7	63	53.7	0 ---		0	0 ---		66.7	66.4	66.4	29.956	0	0	0	0.012	68.6	53	50.8	67.5	9.88	0.0743	228	1	100	10
11/23/2014	12:20 AM	66.7	66.7	66.7	63	53.7	0 ---		0	0 ---		66.7	66.4	66.4	29.957	0	0	0	0.012	68.6	53	50.8	67.5	9.88	0.0743	226	1	99.1	10
11/23/2014	12:30 AM	66.7	66.7	66.7	63	53.7	0 ---		0	0 ---		66.7	66.4	66.4	29.956	0	0	0	0.012	68.6	53	50.8	67.5	9.88	0.0743	231	1	100	10
11/23/2014	12:40 AM	66.6	66.7	66.6	63	53.6	0 ---		0	0 ---		66.6	66.3	66.3	29.952	0	0	0	0.011	68.6	53	50.8	67.5	9.88	0.0743	228	1	100	10
11/23/2014	12:50 AM	66.6	66.7	66.6	63	53.6	0 ---		0	0 ---		66.6	66.3	66.3	29.957	0	0	0	0.011	68.6	53	50.8	67.5	9.88	0.0743	228	1	100	10
11/23/2014	1:00 AM	66.6	66.6	66.6	63	53.6	0 ---		0	0 ---		66.6	66.3	66.3	29.954	0	0	0	0.011	68.6	53	50.8	67.5	9.88	0.0743	229	1	100	10
11/23/2014	1:10 AM	66.6	66.6	66.5	63	53.6	0 ---		0	0 ---		66.6	66.3	66.3	29.958	0	0	0	0.011	68.4	53	50.6	67.3	9.88	0.0743	226	1	99.1	10
11/23/2014	1:20 AM	66.5	66.6	66.5	63	53.5	0 ---		0	0 ---		66.5	66.2	66.2	29.959	0	0	0	0.01	68.4	53	50.6	67.3	9.88	0.0743	230	1	100	10
11/23/2014	1:30 AM	66.5	66.5	66.5	63	53.5	0 ---		0	0 ---		66.5	66.2	66.2	29.962	0	0	0	0.01	68.4	53	50.6	67.3	9.88	0.0743	229	1	100	10
11/23/2014	1:40 AM	66.4	66.5	66.4	63	53.4	0 ---		0	0 ---		66.4	66.1	66.1	29.963	0	0	0	0.01	68.4	53	50.6	67.3	9.88	0.0743	230	1	100	10
11/23/2014	1:50 AM	66.4	66.5	66.4	63	53.4	0 ---		0	0 ---		66.4	66.1	66.1	29.96	0	0	0	0.01	68.3	53	50.5	67.3	9.88	0.0743	228	1	100	10
11/23/2014	2:00 AM	66.4	66.4	66.3	62	53	0 ---		0	0 ---		66.4	66	66	29.959	0	0	0	0.01	68.3	53	50.5	67.3	9.88	0.0743	229	1	100	10
11/23/2014	2:10 AM	66.3	66.4	66.3	62	52.9	0 ---		0	0 ---		66.3	65.9	65.9	29.959	0	0	0	0.009	68.3	53	50.5	67.3	9.88	0.0743	226	1	99.1	10
11/23/2014	2:20 AM	66.3	66.3	66.3	62	52.9	0 ---		0	0 ---		66.3	65.9	65.9	29.959	0	0	0	0.009	68.3	53	50.5	67.3	9.88	0.0743	229	1	100	10
11/23/2014	2:30 AM	66.2	66.3	66.2	61	52.3	0 ---		0	0 ---		66.2	65.6	65.6	29.955	0	0	0	0.008	68.1	53	50.3	67.1	9.89	0.0744	228	1	100	10
11/23/2014	2:40 AM	66.2	66.3	66.2	61	52.3	0 ---		0	0 ---		66.2	65.6	65.6	29.954	0	0	0	0.008	68.1	53	50.3	67.1	9.89	0.0744	228	1	100	10
11/23/2014	2:50 AM	66.1	66.2	66.1	60	51.8	0 ---		0	0 ---		66.1	65.4	65.4	29.951	0	0	0	0.008	68.1	53	50.3	67.1	9.89	0.0743	228	1	100	10
11/23/2014	3:00 AM	66.1	66.1	66.1	59	51.4	0 ---		0	0 ---		66.1	65.3	65.3	29.953	0	0	0	0.008	67.9	52	49.6	66.8	9.69	0.0744	225	1	98.7	10
11/23/2014	3:10 AM	66	66.1	66	59	51.3	0 ---		0	0 ---		66	65.2	65.2	29.952	0	0	0	0.007	67.9	52	49.6	66.8	9.69	0.0744	231	1	100	10
11/23/2014	3:20 AM	65.9	66	65.9	58	50.7	0 ---		0	0 ---		65.9	65	65	29.949	0	0	0	0.006	67.9	52	49.6	66.8	9.69	0.0744	224	1	98.2	10
11/23/2014	3:30 AM	65.9	65.9	65.8	57	50.2	0 ---		0	0 ---		65.9	65	65	29.96	0	0	0	0.006	67.8	52	49.5	66.7	9.69	0.0744	230	1	100	10
11/23/2014	3:40 AM	65.8	65.9	65.8	57	50.1	0 ---		0	0 ---		65.8	64.8	64.8	29.973	0	0	0	0.006	67.8	51	49	66.6	9.49	0.0745	226	1	99.1	10
11/23/2014	3:50 AM	65.7	65.8	65.7	56	49.6	0 ---		0	0 ---		65.7	64.7	64.7	29.98	0	0	0	0.005	67.6	51	48.8	66.4	9.5	0.0745	228	1	100	10
11/23/2014	4:00 AM	65.7	65.8	65.7	56	49.6	0 ---		0	0 ---		65.7	64.7	64.7	29.978	0	0	0	0.005	67.6	51	48.8	66.4	9.5	0.0745	227	1	99.6	10
11/23/2014	4:10 AM	65.6	65.7	65.6	56	49.5	0 ---		0	0 ---		65.6	64.5	64.5	29.968	0	0	0	0.004	67.6	51	48.8	66.4	9.5	0.0745	228	1	100	10
11/23/2014	4:20 AM	65.6	65.6	65.6	56	49.5	0 ---		0	0 ---		65.6	64.5	64.5	29.962	0	0	0	0.004	67.5	51	48.7	66.3	9.5	0.0745	230	1	100	10
11/23/2014	4:30 AM	65.6	65.6	65.5	55	49	0 ---		0	0 ---		65.6	64.5	64.5	29.959	0	0	0	0.004	67.5	51	48.7	66.3	9.5	0.0745	228	1	100	10
11/23/2014	4:40 AM	65.5	65.6	65.5	55	48.9	0 ---		0	0 ---		65.5	64.3	64.3	29.962	0	0	0	0.003	67.5	51	48.7	66.3	9.5	0.0745	229	1	100	10
11/23/2014	4:50 AM	65.5	65.5	65.4	55	48.9	0 ---		0	0 ---		65.5	64.3	64.3	29.956	0	0	0	0.003	67.5	50	48.2	66.1	9.3	0.0745	227	1	99.6	10
11/23/2014	5:00 AM	65.4	65.5	65.4	54	48.3	0 ---		0	0 ---		65.4	64.1	64.1	29.953	0	0	0	0.003	67.5	50	48.2	66.1	9.3	0.0745	228	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/23/2014	5:10 AM	65.4	65.5	65.4	54	48.3	0	---	0	0	---	65.4	64.1	64.1	29.965	0	0	0	0.003	67.3	50	48	65.9	9.3	0.0746	227	1	99.6	10
11/23/2014	5:20 AM	65.4	65.4	65.4	54	48.3	0	---	0	0	---	65.4	64.1	64.1	29.968	0	0	0	0.003	67.3	50	48	65.9	9.3	0.0746	230	1	100	10
11/23/2014	5:30 AM	65.4	65.4	65.4	53	47.8	0	---	0	0	---	65.4	64	64	29.975	0	0	0	0.003	67.3	50	48	65.9	9.3	0.0746	227	1	99.6	10
11/23/2014	5:40 AM	65.3	65.4	65.3	53	47.7	0	---	0	0	---	65.3	63.9	63.9	29.969	0	0	0	0.002	67.3	50	48	65.9	9.3	0.0746	229	1	100	10
11/23/2014	5:50 AM	65.3	65.4	65.3	53	47.7	0	---	0	0	---	65.3	63.9	63.9	29.975	0	0	0	0.002	67.3	49	47.5	65.8	9.1	0.0746	227	1	99.6	10
11/23/2014	6:00 AM	65.3	65.3	65.3	53	47.7	0	---	0	0	---	65.3	63.9	63.9	29.986	0	0	0	0.002	67.3	49	47.5	65.8	9.1	0.0746	230	1	100	10
11/23/2014	6:10 AM	65.3	65.3	65.3	53	47.7	0	---	0	0	---	65.3	63.9	63.9	29.99	0	0	0	0.002	67.1	49	47.3	65.6	9.11	0.0747	228	1	100	10
11/23/2014	6:20 AM	65.3	65.3	65.2	52	47.2	0	---	0	0	---	65.3	63.8	63.8	29.993	0	0	0	0.002	67.1	49	47.3	65.6	9.11	0.0747	227	1	99.6	10
11/23/2014	6:30 AM	65.2	65.3	65.2	52	47.1	0	---	0	0	---	65.2	63.7	63.7	30.003	0	0	0	0.001	67.1	49	47.3	65.6	9.11	0.0747	227	1	99.6	10
11/23/2014	6:40 AM	65.2	65.2	65.2	52	47.1	0	---	0	0	---	65.2	63.7	63.7	30.006	0	0	0	0.001	67.1	49	47.3	65.6	9.11	0.0747	226	1	99.1	10
11/23/2014	6:50 AM	65.2	65.2	65.2	52	47.1	0	---	0	0	---	65.2	63.7	63.7	30.001	0	0	0	0.001	67.1	49	47.3	65.6	9.11	0.0747	231	1	100	10
11/23/2014	7:00 AM	65.2	65.2	65.2	52	47.1	0	---	0	0	---	65.2	63.7	63.7	30.009	0	0	0	0.001	67.1	48	46.7	65.5	8.91	0.0748	225	1	98.7	10
11/23/2014	7:10 AM	65.2	65.2	65.1	51	46.6	0	---	0	0	---	65.2	63.6	63.6	30.012	0	0	0	0.001	67.1	48	46.7	65.5	8.91	0.0748	229	1	100	10
11/23/2014	7:20 AM	65.2	65.2	65.1	51	46.6	0	---	0	0	---	65.2	63.6	63.6	30.006	0	0	0	0.001	67.1	48	46.7	65.5	8.91	0.0747	226	1	99.1	10
11/23/2014	7:30 AM	65.2	65.2	65.1	51	46.6	0	---	0	0	---	65.2	63.6	63.6	30.022	0	0	0	0.001	67.1	48	46.7	65.5	8.91	0.0748	230	1	100	10
11/23/2014	7:40 AM	65.1	65.2	65.1	51	46.5	0	---	0	0	---	65.1	63.5	63.5	30.013	0	0	0	0.001	67	48	46.7	65.4	8.91	0.0748	227	1	99.6	10
11/23/2014	7:50 AM	65.1	65.2	65.1	51	46.5	0	---	0	0	---	65.1	63.5	63.5	30.027	0	0	0	0.001	67	48	46.7	65.4	8.91	0.0748	230	1	100	10
11/23/2014	8:00 AM	65.1	65.2	65.1	50	46	0	---	0	0	---	65.1	63.4	63.4	30.029	0	0	0	0.001	67	48	46.7	65.4	8.91	0.0748	230	1	100	10
11/23/2014	8:10 AM	65.1	65.1	65.1	50	46	0	---	0	0	---	65.1	63.4	63.4	30.033	0	0	0	0.001	67	47	46.1	65.3	8.81	0.0748	226	1	99.1	10
11/23/2014	8:20 AM	65.1	65.1	65.1	50	46	0	---	0	0	---	65.1	63.4	63.4	30.042	0	0	0	0.001	67	47	46.1	65.3	8.81	0.0749	229	1	100	10
11/23/2014	8:30 AM	65.1	65.1	65.1	50	46	0	---	0	0	---	65.1	63.4	63.4	30.04	0	0	0	0.001	67	47	46.1	65.3	8.81	0.0749	224	1	98.2	10
11/23/2014	8:40 AM	65.1	65.1	65	50	46	0	---	0	0	---	65.1	63.4	63.4	30.043	0	0	0	0.001	67	47	46.1	65.3	8.81	0.0749	228	1	100	10
11/23/2014	8:50 AM	65	65.1	65	49	45.4	0	---	0	0	---	65	63.2	63.2	30.059	0	0	0	0	67	47	46.1	65.3	8.81	0.0749	228	1	100	10
11/23/2014	9:00 AM	65.1	65.1	65	49	45.5	0	---	0	0	---	65.1	63.3	63.3	30.064	0	0	0	0.001	67	47	46.1	65.3	8.81	0.0749	230	1	100	10
11/23/2014	9:10 AM	65.1	65.1	65	49	45.5	0	---	0	0	---	65.1	63.3	63.3	30.068	0	0	0	0.001	67	47	46.1	65.3	8.81	0.0749	227	1	99.6	10
11/23/2014	9:20 AM	65.1	65.1	65	49	45.5	0	---	0	0	---	65.1	63.3	63.3	30.054	0	0	0	0.001	67	47	46.1	65.3	8.81	0.0749	229	1	100	10
11/23/2014	9:30 AM	65.1	65.1	65	49	45.5	0	---	0	0	---	65.1	63.3	63.3	30.053	0	0	0	0.001	67	47	46.1	65.3	8.81	0.0749	228	1	100	10
11/23/2014	9:40 AM	65.1	65.1	65.1	49	45.5	0	---	0	0	---	65.1	63.3	63.3	30.053	0	0	0	0.001	67	46	45.5	65.2	8.65	0.0749	229	1	100	10
11/23/2014	9:50 AM	65.1	65.1	65.1	49	45.5	0	---	0	0	---	65.1	63.3	63.3	30.055	0	0	0	0.001	67	46	45.5	65.2	8.65	0.0749	229	1	100	10
11/23/2014	10:00 AM	65.1	65.1	65.1	49	45.5	0	---	0	0	---	65.1	63.3	63.3	30.06	0	0	0	0.001	67	46	45.5	65.2	8.65	0.0749	229	1	100	10
11/23/2014	10:10 AM	65.1	65.1	65.1	48	44.9	0	---	0	0	---	65.1	63.2	63.2	30.067	0	0	0	0.001	67	46	45.5	65.2	8.65	0.0749	229	1	100	10
11/23/2014	10:20 AM	65.1	65.1	65.1	48	44.9	0	---	0	0	---	65.1	63.2	63.2	30.058	0	0	0	0.001	67	46	45.5	65.2	8.65	0.0749	225	1	98.7	10
11/23/2014	10:30 AM	65.1	65.1	65.1	48	44.9	0	---	0	0	---	65.1	63.2	63.2	30.056	0	0	0	0.001	67	46	45.5	65.2	8.65	0.0749	228	1	100	10
11/23/2014	10:40 AM	65.1	65.2	65.1	47	44.4	0	---	0	0	---	65.1	63.1	63.1	30.045	0	0	0	0.001	67	46	45.5	65.2	8.65	0.0749	226	1	99.1	10
11/23/2014	10:50 AM	65.1	65.1	65.1	47	44.4	0	---	0	0	---	65.1	63.1	63.1	30.044	0	0	0	0.001	67	45	44.9	65.1	8.51	0.0749	230	1	100	10
11/23/2014	11:00 AM	65.1	65.1	65.1	46	43.8	0	---	0	0	---	65.1	63	63	30.043	0	0	0	0.001	67	45	44.9	65.1	8.51	0.0749	225	1	98.7	10
11/23/2014	11:10 AM	65.1	65.1	65.1	46	43.8	0	---	0	0	---	65.1	63	63	30.032	0	0	0	0.001	67	45	44.9	65.1	8.51	0.0749	230	1	100	10
11/23/2014	11:20 AM	65.1	65.1	65.1	46	43.8	0	---	0	0	---	65.1	63	63	30.029	0	0	0	0.001	67	45	44.9	65.1	8.51	0.0749	227	1	99.6	10
11/23/2014	11:30 AM	65.1	65.1	65.1	45	43.2	0	---	0	0	---	65.1	62.9	62.9	30.021	0	0	0	0.001	67	45	44.9	65.1	8.51	0.0748	227	1	99.6	10
11/23/2014	11:40 AM	65.1	65.1	65	45	43.2	0	---	0	0	---	65.1	62.9	62.9	30.009	0	0	0	0.001	66.8	45	44.8	64.9	8.51	0.0749	230	1	100	10
11/23/2014	11:50 AM	65.1	65.1	65	44	42.6	0	---	0	0	---	65.1	62.8	62.8	30.002	0	0	0	0.001	66.8	44	44.2	64.7	8.35	0.0749	226	1	99.1	10
11/23/2014	12:00 PM	65.1	65.1	65	44	42.6	0	---	0	0	---	65.1	62.8	62.8	30.001	0	0	0	0.001	66.8	44	44.2	64.7	8.35	0.0748	230	1	100	10
11/23/2014	12:10 PM	65	65.1	65	43	41.9	0	---	0	0	---	65	62.6	62.6	29.984	0	0	0	0	66.8	44	44.2	64.7	8.35	0.0748	227	1	99.6	10
11/23/2014	12:20 PM	65	65.1	65	43	41.9	0	---	0	0	---	65	62.6	62.6	29.979	0	0	0	0	66.8	44	44.2	64.7	8.35	0.0748	230	1	100	10
11/23/2014	12:30 PM	65	65	65	43	41.9	0	---	0	0	---	65	62.6	62.6	29.976	0	0	0	0	66.8	44	44.2	64.7	8.35	0.0748	226	1	99.1	10
11/23/2014	12:40 PM	65	65	65	42	41.3	0	---	0	0	---	65	62.6	62.6	29.979	0	0	0	0	66.8	43	43.6	64.6	8.25	0.0748	229	1	100	10
11/23/2014	12:50 PM	65	65	65	41	40.7	0	---	0	0	---	65	62.5	62.5	29.98	0	0	0	0	66.8	43	43.6	64.6	8.25	0.0748	228	1	100	10
11/23/2014	1:00 PM	65	65	65	40	40.1	0	---	0	0	---	65	62.4	62.4	29.98	0	0	0	0	66.8	43	43.6	64.6	8.25	0.0748	228	1	100	10
11/23/2014	1:10 PM	65	65	65	39	39.4	0	---	0	0	---	65	62.3	62.3	29.983	0	0	0	0	66.8	42	43	64.5	8.11	0.0748	229	1	100	10
11/23/2014	1:20 PM	65	65	65	39	39.4	0	---	0	0	---	65	62.3	62.3	29.982	0	0	0	0	66.8	42	43	64.5	8.11	0.0748	228	1	100	10
11/23/2014	1:30 PM	65	65	64.9	39	39.4	0	---	0	0	---	65	62.3	62.3	29.981	0	0	0	0	66.8	42	43	64.5	8.11	0.0748	228	1	100	10
11/23/2014	1:40 PM	65	65	64.9	38	38.8	0	---	0	0	---	65	62.2	62.2	29.985	0	0	0	0	66.8	41	42.3	64.4	7.95	0.0749	229	1	100	10
11/23/2014	1:50 PM	65	65	64.9	37	38.1	0	---	0	0	---	65	62	62	29.983	0	0	0	0	66.8	41	42.3	64.4	7.95	0.0749	231	1	100	10
11/23/2014	2:00 PM	65	65	64.9	37	38.1	0	---	0	0	---	65	62	62	29.98	0	0	0	0	66.8	41	42.3	64.4	7.95	0.0748	225	1	98.7	10
11/23/2014	2:10 PM	65	65	64.9	36	37.4	0	---	0	0	---	65	61.9	61.9	29.981	0	0	0	0	66.8	41	42.3	64.4	7.95	0.0748	231	1	100	10
11/23/2014	2:20 PM	65	65	65	36	37.4	0	---	0	0	---	65	61.9	61.9	29.978	0	0	0	0	66.8	40	41.7	64.3	7.81	0.0749	225	1	98.7	10
11/23/2014	2:30 PM	65	65	65	35	36.7	0	---	0	0	---	65	61.8	61.8	29.979	0	0	0	0	66.8	40	41.7	64.3	7.81	0.0749	231	1	100	10
11/23/2014	2:40 PM	65	65	65	35	36.7	0	---	0	0	---	65	61.8	61.8	29.98	0	0	0	0	66.8	40	41.7	64.3	7.81	0.0749	226	1	99.1	10
11/23/2014	2:50 PM	65	65.1	65	35	36.7	0	---	0	0	---	65	61.8	61.8	29.982	0	0	0	0	66.8	40	41.7	64.3	7.81	0.0749	226	1	99.1	10
11/23/2014	3:00 PM	65.1	65.1	65	34	36	0	---	0	0	---	65.1	61.8	61.8	29.979	0	0	0	0.001	67	40	41.9	64.5	7.81	0.0748	227	1	99.6	10
11/23/2014	3:10 PM	65.1	65.2	65.1	34	36	0	---	0	0	---	65.1	61.8	61.8	29.983	0	0	0	0.001	67	39	41.2	64.4	7.71	0.0749	228	1	100	10
11/23/2014	3:20 PM	65.2	65.2	65.1	34	36.1	0	---	0	0	---	65.2	61.9	61.9	29.985	0	0	0	0.001	67	39	41.2	64.4	7.71	0.0749	230	1	100	10
11/23/2014	3:30 PM	65.2	65.2	65.2	34	36.1	0	---	0	0	---	65.2	61.9	61.9	29.992	0	0	0	0.001	67.1	39	41.3	64.5	7.71	0.0749	227	1	99.6	10
11/23/2014	3:40 PM	65.3	65.3	65.2	33	35.4	0	---	0	0	---	65.3	61.9	61.9	29.99	0	0	0	0.002	67.1	39	41.3	64.5	7.71	0.0749	229	1	100	10
11/23/2014	3:50 PM	65.3	65.3	65.3	33	35.4	0	---	0	0	---	65.3	61.9	61.9	29.984	0	0	0	0.002	67.1	39	41.3	64.5	7.71	0.0748	227	1	99.6	10
11/23/2014	4:00 PM	65.4	65.4	65.3	33	35.5	0	---	0	0	---	65.4	62	62	29.986	0	0	0	0.003	67.3	38	40.8	64.6	7.55	0.0748	229	1	100	10
11/23/2014	4:10 PM	65.4	65.4	65.4	32	34.8	0	---	0	0	---	65.4	61.9	61.9	29.991	0	0	0	0.003	67.3	38	40.8	64.6	7.55	0.0748	226	1	99.1	10
11/23/2014	4:20 PM	65.5	65.5	65.4	32	34.8	0	---	0	0	---	65.5	62.1	62.1	29.994	0	0	0	0.003	67.3	38	40.8	64.6	7.55	0.0748	229	1	100	10
11/23/2014	4:30 PM	65.5	65.6	65.5	31	34	0	---	0	0	---	65.5	61.9	61.9	29.994	0	0	0	0.003	67.3	38	40.8	64.6	7.55	0.0748	228	1	100	10
11/23/2014	4:40 PM	65.6	65.6	65.5	31	34.1	0	---	0	0	---	65.6	62.1	62.1	30.002	0	0	0	0.004	67.5	37	40.3	64.7	7.35	0.0749	229	1	100	10
11/23/2014	4:50 PM	65.6	65.7	65.6	31	34.1	0	---	0	0	---	65.6	62.1	62.1	30.004	0	0	0	0.004	67.5	37	40.3	64.7	7.35	0.0749	229	1	100	10
11/23/2014	5:00 PM	65.7	65.7	65.6	30	33.4	0	---	0	0	---	65.7	62.1	62.1	30.005	0	0	0	0.005	67.5	37	40.3	64.7	7.35	0.0749	228	1	100	10
11/23/2014	5:10 PM	65.7	65.8	65.7	30	33.4	0	---	0	0	---	65.7	62.1	62.1	30.003	0	0	0	0.005	67.6	37	40.4	64.8	7.35	0.0748	229	1	100	10
11/23/2014	5:20 PM	65.8	65.8	65.7	30	33.5	0	---	0	0	---	65.8	62.2	62.2	30.004	0	0	0	0.006	67.6	37	40.4	64.8	7.35	0.0748	228	1	100	10
11/23/2014	5:30 PM	65.9	65.9	65.8	30	33.6	0	---	0	0	---	65.9	62.3	62.3	30.007	0	0	0	0.006	67.6	36	39.7	64.7	7.2	0.0749	230	1	100	10
11/23/2014	5:40 PM	65.9	65.9	65.8	29	32.7	0	---	0	0	---	65.9	62.1	62.1	30.008	0	0	0	0.006	67.8	36	39.9	64.9	7.21	0.0748	225	1	98.7	10
11/23/2014	5:50 PM	65.9	66	65.9	29	32.7	0	---	0	0	---	65.9	62.1	62.1	30.011	0	0	0	0.006	67.8	36	39.9	64.9	7.21	0.0748	230	1	100	10
11/23/2014	6:00 PM	66	66	65.9	29	32.8	0	---	0	0	---	66	62.2	62.2	30.012	0	0	0	0.007	67.8	36	39.9	64.9	7.21	0.0748	226	1	99.1	10
11/23/2014	6:10 PM	66.1	66.1	66	29	32.9	0	---	0	0	---	66.1	62.3	62.3	30.013	0	0	0	0.008	67.9	36	39.9	65	7.21	0.0748	230	1	100	10
11/23/2014	6:20 PM	66.1	66.1	66	29	32.9	0	---	0	0	---	66.1	62.3	62.3	30.013	0	0	0	0.008	67.9	35	39.2	64.9	7.05	0.0748	226	1	99.1	10
11/23/2014	6:30 PM	66.2	66.2	66.1	29	33	0	---	0	0	---	66.2	62.4	62.4	30.018	0	0	0	0.008	67.9	35	39.2	64.9	7.05	0.0749	230	1	100	10
11/23/2014	6:40 PM	66.2	66.2	66.2	29	33	0	---	0	0	---	66.2	62.4	62.4	30.019	0	0	0	0.008	67.9	35	39.2	64.9	7.05	0.0749	230	1	100	10
11/23/2014	6:50 PM	66.2	66.2	66.2	28	32.1	0	---	0	0	---	66.2	62.2	62.2	30.018	0	0	0	0.008	68.1	35	39.4	65.1	7.05	0.0748	229	1	100	10
11/23/2014	7:00 PM	66.3	66.3	66.2	28	32.2	0	---	0	0	---	66.3	62.3	62.3	30.023	0	0	0	0.009	68.1	35	39.4	65.1	7.05	0.0748	229	1	100	10
11/23/2014	7:10 PM	66.3	66.3	66.3	28	32.2	0	---	0	0	---	66.3	62.3	62.3	30.029	0	0	0	0.009	68.1	35	39.4	65.1	7.05	0.0749	226	1	99.1	10
11/23/2014	7:20 PM	66.4	66.4	66.3	28	32.3	0	---	0	0	---	66.4	62.4	62.4	30.035	0	0	0	0.01	68.1	34	38.7	65	6.85	0.0749	229	1	100	10
11/23/2014	7:30 PM	66.4	66.4	66.4	28	32.3	0	---	0	0	---	66.4	62.4	62.4	30.036	0	0	0	0.01	68.3	34	38.8	65.2	6.85	0.0749	225	1	98.7	10
11/23/2014	7:40 PM	66.5	66.5	66.4	28	32.4	0	---	0	0	---	66.5	62.5	62.5	30.036	0	0	0	0.01	68.3	34	38.8	65.2	6.85	0.0749	229	1	100	10
11/23/2014	7:50 PM	66.5	66.5	66.4	28	32.4	0	---	0	0	---	66.5	62.5	62.5	30.037	0	0	0	0.01	68.3	34	38.8	65.2	6.85	0.0749	227	1	99.6	10
11/23/2014	8:00 PM	66.5	66.5	66.5	28	32.4	0	---	0	0	---	66.5	62.5	62.5	30.039	0	0	0	0.01	68.3	34	38.8	65.2	6.85	0.0749	229	1	100	10
11/23/2014	8:10 PM	66.5	66.6	66.5	28	32.4	0	---	0	0	---	66.5	62.5	62.5	30.047	0	0	0	0.01	68.3	34	38.8	65.2	6.85	0.0749	225	1	98.7	10
11/23/2014	8:20 PM	66.6	66.6	66.5	28	32.5	0	---	0	0	---	66.6	62.6	62.6	30.052	0	0	0	0.011	68.4	34	38.9	65.3	6.85	0.0749	230	1	100	10
11/23/2014	8:30 PM	66.6	66.6	66.6	28	32.5	0	---	0	0	---	66.6	62.6	62.6	30.052	0	0	0	0.011	68.4	33	38.2	65.2	6.68	0.0749	227	1	99.6	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/23/2014	8:40 PM	66.6	66.7	66.6	28	32.5	0	---	0	0	---	66.6	62.6	62.6	30.048	0	0	0	0.011	68.4	33	38.2	65.2	6.68	0.0749	231	1	100	10
11/23/2014	8:50 PM	66.7	66.7	66.6	28	32.5	0	---	0	0	---	66.7	62.7	62.7	30.046	0	0	0	0.012	68.4	33	38.2	65.2	6.68	0.0749	229	1	100	10
11/23/2014	9:00 PM	66.7	66.7	66.7	28	32.5	0	---	0	0	---	66.7	62.7	62.7	30.043	0	0	0	0.012	68.4	33	38.2	65.2	6.68	0.0749	228	1	100	10
11/23/2014	9:10 PM	66.7	66.7	66.7	27	31.6	0	---	0	0	---	66.7	62.4	62.4	30.047	0	0	0	0.012	68.4	33	38.2	65.2	6.68	0.0749	227	1	99.6	10
11/23/2014	9:20 PM	66.7	66.7	66.7	27	31.6	0	---	0	0	---	66.7	62.4	62.4	30.053	0	0	0	0.012	68.4	33	38.2	65.2	6.68	0.0749	227	1	99.6	10
11/23/2014	9:30 PM	66.7	66.8	66.7	27	31.6	0	---	0	0	---	66.7	62.4	62.4	30.06	0	0	0	0.012	68.6	33	38.3	65.4	6.68	0.0749	231	1	100	10
11/23/2014	9:40 PM	66.7	66.8	66.7	27	31.6	0	---	0	0	---	66.7	62.4	62.4	30.063	0	0	0	0.012	68.6	33	38.3	65.4	6.68	0.0749	227	1	99.6	10
11/23/2014	9:50 PM	66.8	66.8	66.7	27	31.7	0	---	0	0	---	66.8	62.5	62.5	30.068	0	0	0	0.013	68.6	33	38.3	65.4	6.68	0.0749	230	1	100	10
11/23/2014	10:00 PM	66.8	66.8	66.8	28	32.6	0	---	0	0	---	66.8	62.8	62.8	30.066	0	0	0	0.013	68.6	33	38.3	65.4	6.68	0.0749	225	1	98.7	10
11/23/2014	10:10 PM	66.8	66.8	66.8	28	32.6	0	---	0	0	---	66.8	62.8	62.8	30.075	0	0	0	0.013	68.6	33	38.3	65.4	6.68	0.0749	229	1	100	10
11/23/2014	10:20 PM	66.8	66.8	66.7	28	32.6	0	---	0	0	---	66.8	62.8	62.8	30.077	0	0	0	0.013	68.6	32	37.5	65.2	6.55	0.0749	227	1	99.6	10
11/23/2014	10:30 PM	66.8	66.8	66.8	28	32.6	0	---	0	0	---	66.8	62.8	62.8	30.079	0	0	0	0.013	68.6	32	37.5	65.2	6.55	0.075	228	1	100	10
11/23/2014	10:40 PM	66.8	66.8	66.8	27	31.7	0	---	0	0	---	66.8	62.5	62.5	30.081	0	0	0	0.013	68.6	32	37.5	65.2	6.55	0.075	228	1	100	10
11/23/2014	10:50 PM	66.8	66.8	66.7	27	31.7	0	---	0	0	---	66.8	62.5	62.5	30.077	0	0	0	0.013	68.6	32	37.5	65.2	6.55	0.0749	227	1	99.6	10
11/23/2014	11:00 PM	66.8	66.8	66.7	27	31.7	0	---	0	0	---	66.8	62.5	62.5	30.073	0	0	0	0.013	68.6	32	37.5	65.2	6.55	0.0749	231	1	100	10
11/23/2014	11:10 PM	66.7	66.8	66.7	26	30.7	0	---	0	0	---	66.7	62.2	62.2	30.075	0	0	0	0.012	68.6	32	37.5	65.2	6.55	0.0749	227	1	99.6	10
11/23/2014	11:20 PM	66.7	66.7	66.7	26	30.7	0	---	0	0	---	66.7	62.2	62.2	30.08	0	0	0	0.012	68.6	32	37.5	65.2	6.55	0.075	230	1	100	10
11/23/2014	11:30 PM	66.7	66.7	66.7	27	31.6	0	---	0	0	---	66.7	62.4	62.4	30.079	0	0	0	0.012	68.6	32	37.5	65.2	6.55	0.075	227	1	99.6	10
11/23/2014	11:40 PM	66.7	66.7	66.7	27	31.6	0	---	0	0	---	66.7	62.4	62.4	30.074	0	0	0	0.012	68.6	32	37.5	65.2	6.55	0.0749	229	1	100	10
11/23/2014	11:50 PM	66.7	66.7	66.7	26	30.7	0	---	0	0	---	66.7	62.2	62.2	30.07	0	0	0	0.012	68.6	32	37.5	65.2	6.55	0.0749	228	1	100	10
11/24/2014	12:10 AM	66.7	66.7	66.6	27	31.6	0	---	0	0	---	66.7	62.4	62.4	30.067	0	0	0	0.012	68.4	32	37.4	65	6.55	0.075	225	1	98.7	10
11/24/2014	12:20 AM	66.7	66.7	66.7	26	30.7	0	---	0	0	---	66.7	62.2	62.2	30.068	0	0	0	0.012	68.4	32	37.4	65	6.55	0.075	228	1	100	10
11/24/2014	12:30 AM	66.7	66.7	66.6	26	30.7	0	---	0	0	---	66.7	62.2	62.2	30.066	0	0	0	0.012	68.4	31	36.6	64.9	6.38	0.075	228	1	100	10
11/24/2014	12:40 AM	66.7	66.7	66.6	26	30.7	0	---	0	0	---	66.7	62.2	62.2	30.07	0	0	0	0.012	68.4	31	36.6	64.9	6.38	0.075	229	1	100	10
11/24/2014	12:50 AM	66.6	66.7	66.6	26	30.6	0	---	0	0	---	66.6	62.1	62.1	30.07	0	0	0	0.011	68.4	31	36.6	64.9	6.38	0.075	229	1	100	10
11/24/2014	1:00 AM	66.6	66.7	66.6	25	29.6	0	---	0	0	---	66.6	61.9	61.9	30.072	0	0	0	0.011	68.4	31	36.6	64.9	6.38	0.075	226	1	99.1	10
11/24/2014	1:10 AM	66.6	66.6	66.6	25	29.6	0	---	0	0	---	66.6	61.9	61.9	30.068	0	0	0	0.011	68.4	31	36.6	64.9	6.38	0.075	230	1	100	10
11/24/2014	1:20 AM	66.5	66.6	66.5	25	29.6	0	---	0	0	---	66.5	61.8	61.8	30.073	0	0	0	0.01	68.3	31	36.5	64.8	6.38	0.075	225	1	98.7	10
11/24/2014	1:30 AM	66.5	66.5	66.5	25	29.6	0	---	0	0	---	66.5	61.8	61.8	30.069	0	0	0	0.01	68.3	31	36.5	64.8	6.38	0.075	232	1	100	10
11/24/2014	1:40 AM	66.5	66.5	66.4	25	29.6	0	---	0	0	---	66.5	61.8	61.8	30.071	0	0	0	0.01	68.3	31	36.5	64.8	6.38	0.075	225	1	98.7	10
11/24/2014	1:50 AM	66.4	66.5	66.4	25	29.5	0	---	0	0	---	66.4	61.7	61.7	30.069	0	0	0	0.01	68.3	31	36.5	64.8	6.38	0.075	229	1	100	10
11/24/2014	2:00 AM	66.4	66.4	66.4	25	29.5	0	---	0	0	---	66.4	61.7	61.7	30.069	0	0	0	0.01	68.3	30	35.6	64.7	6.25	0.075	227	1	99.6	10
11/24/2014	2:10 AM	66.3	66.4	66.3	25	29.4	0	---	0	0	---	66.3	61.6	61.6	30.069	0	0	0	0.009	68.1	30	35.5	64.5	6.25	0.075	229	1	100	10
11/24/2014	2:20 AM	66.3	66.4	66.3	25	29.4	0	---	0	0	---	66.3	61.6	61.6	30.068	0	0	0	0.009	68.1	30	35.5	64.5	6.25	0.075	229	1	100	10
11/24/2014	2:30 AM	66.2	66.3	66.2	26	30.3	0	---	0	0	---	66.2	61.7	61.7	30.068	0	0	0	0.008	68.1	30	35.5	64.5	6.25	0.075	229	1	100	10
11/24/2014	2:40 AM	66.2	66.3	66.2	26	30.3	0	---	0	0	---	66.2	61.7	61.7	30.067	0	0	0	0.008	68.1	30	35.5	64.5	6.25	0.075	231	1	100	10
11/24/2014	2:50 AM	66.1	66.2	66.1	26	30.2	0	---	0	0	---	66.1	61.6	61.6	30.065	0	0	0	0.008	68.1	30	35.5	64.5	6.25	0.075	227	1	99.6	10
11/24/2014	3:00 AM	66.1	66.2	66.1	26	30.2	0	---	0	0	---	66.1	61.6	61.6	30.066	0	0	0	0.008	67.9	30	35.3	64.3	6.25	0.0751	229	1	100	10
11/24/2014	3:10 AM	66.1	66.1	66.1	26	30.2	0	---	0	0	---	66.1	61.6	61.6	30.065	0	0	0	0.008	67.9	30	35.3	64.3	6.25	0.0751	226	1	99.1	10
11/24/2014	3:20 AM	66	66.1	66	26	30.1	0	---	0	0	---	66	61.5	61.5	30.063	0	0	0	0.007	67.9	30	35.3	64.3	6.25	0.0751	229	1	100	10
11/24/2014	3:30 AM	66	66	66	26	30.1	0	---	0	0	---	66	61.5	61.5	30.063	0	0	0	0.007	67.9	30	35.3	64.3	6.25	0.0751	227	1	99.6	10
11/24/2014	3:40 AM	65.9	66	65.9	26	30	0	---	0	0	---	65.9	61.4	61.4	30.064	0	0	0	0.006	67.8	30	35.2	64.2	6.25	0.0751	232	1	100	10
11/24/2014	3:50 AM	65.9	65.9	65.9	26	30	0	---	0	0	---	65.9	61.4	61.4	30.065	0	0	0	0.006	67.8	30	35.2	64.2	6.25	0.0751	227	1	99.6	10
11/24/2014	4:00 AM	65.9	65.9	65.9	26	30	0	---	0	0	---	65.9	61.4	61.4	30.065	0	0	0	0.006	67.8	30	35.2	64.2	6.25	0.0751	230	1	100	10
11/24/2014	4:10 AM	65.8	65.9	65.8	26	29.9	0	---	0	0	---	65.8	61.3	61.3	30.062	0	0	0	0.006	67.8	30	35.2	64.2	6.25	0.0751	227	1	99.6	10
11/24/2014	4:20 AM	65.8	65.8	65.8	26	29.9	0	---	0	0	---	65.8	61.3	61.3	30.062	0	0	0	0.006	67.6	30	35	64	6.25	0.0751	228	1	100	10
11/24/2014	4:30 AM	65.7	65.8	65.7	26	29.8	0	---	0	0	---	65.7	61.2	61.2	30.063	0	0	0	0.005	67.6	30	35	64	6.25	0.0751	227	1	99.6	10
11/24/2014	4:40 AM	65.7	65.8	65.7	26	29.8	0	---	0	0	---	65.7	61.2	61.2	30.064	0	0	0	0.005	67.6	30	35	64	6.25	0.0751	227	1	99.6	10
11/24/2014	4:50 AM	65.6	65.7	65.6	26	29.8	0	---	0	0	---	65.6	61.1	61.1	30.064	0	0	0	0.004	67.6	30	35	64	6.25	0.0751	230	1	100	10
11/24/2014	5:00 AM	65.6	65.7	65.6	26	29.8	0	---	0	0	---	65.6	61.1	61.1	30.063	0	0	0	0.004	67.5	30	35	63.9	6.25	0.0751	228	1	100	10
11/24/2014	5:10 AM	65.6	65.6	65.5	26	29.8	0	---	0	0	---	65.6	61.1	61.1	30.065	0	0	0	0.004	67.5	30	35	63.9	6.25	0.0751	230	1	100	10
11/24/2014	5:20 AM	65.5	65.6	65.5	27	30.6	0	---	0	0	---	65.5	61.3	61.3	30.067	0	0	0	0.003	67.5	30	35	63.9	6.25	0.0751	225	1	98.7	10
11/24/2014	5:30 AM	65.5	65.5	65.5	27	30.6	0	---	0	0	---	65.5	61.3	61.3	30.062	0	0	0	0.003	67.5	30	35	63.9	6.25	0.0751	229	1	100	10
11/24/2014	5:40 AM	65.5	65.5	65.4	27	30.6	0	---	0	0	---	65.5	61.3	61.3	30.067	0	0	0	0.003	67.3	30	34.8	63.7	6.25	0.0752	226	1	99.1	10
11/24/2014	5:50 AM	65.4	65.5	65.4	27	30.5	0	---	0	0	---	65.4	61.2	61.2	30.072	0	0	0	0.003	67.3	30	34.8	63.7	6.25	0.0752	230	1	100	10
11/24/2014	6:00 AM	65.4	65.5	65.4	27	30.5	0	---	0	0	---	65.4	61.2	61.2	30.075	0	0	0	0.003	67.3	30	34.8	63.7	6.25	0.0752	229	1	100	10
11/24/2014	6:10 AM	65.4	65.4	65.4	27	30.5	0	---	0	0	---	65.4	61.2	61.2	30.084	0	0	0	0.003	67.3	30	34.8	63.7	6.25	0.0752	228	1	100	10
11/24/2014	6:20 AM	65.4	65.4	65.3	27	30.5	0	---	0	0	---	65.4	61.2	61.2	30.088	0	0	0	0.003	67.3	30	34.8	63.7	6.25	0.0752	229	1	100	10
11/24/2014	6:30 AM	65.3	65.4	65.3	24	27.5	0	---	0	0	---	65.3	60.6	60.6	30.095	0	0	0	0.002	67.1	29	33.8	63.3	6.11	0.0753	229	1	100	10
11/24/2014	6:40 AM	65.3	65.3	65.2	23	26.5	0	---	0	0	---	65.3	60.5	60.5	30.096	0	0	0	0.002	67.1	28	32.9	63.1	5.95	0.0753	228	1	100	10
11/24/2014	6:50 AM	65.2	65.3	65.2	22	25.4	0	---	0	0	---	65.2	60.3	60.3	30.101	0	0	0	0.001	67	28	32.8	63	5.95	0.0753	227	1	99.6	10
11/24/2014	7:00 AM	65.1	65.2	65.1	23	26.3	0	---	0	0	---	65.1	60.3	60.3	30.101	0	0	0	0.001	66.8	27	31.7	62.5	5.85	0.0754	230	1	100	10
11/24/2014	7:10 AM	65	65.1	65	23	26.3	0	---	0	0	---	65	60.2	60.2	30.1	0.01	0	0	0	66.6	27	31.5	62.3	5.85	0.0754	227	1	99.6	10
11/24/2014	7:20 AM	65	65.1	65	23	26.3	0	---	0	0	---	65	60.2	60.2	30.103	0	0	0	0	66.6	28	32.5	62.6	5.95	0.0754	230	1	100	10
11/24/2014	7:30 AM	64.9	65	64.9	23	26.2	0	---	0	0	---	64.9	60.1	60.1	30.106	0	0	0	0.001	0	66.6	28	32.5	62.6	5.95	0.0754	226	1	99.1	10
11/24/2014	7:40 AM	64.8	64.9	64.8	23	26.1	0	---	0	0	---	64.8	60	60	30.108	0	0	0	0.001	0	66.5	28	32.4	62.5	5.95	0.0754	230	1	100	10
11/24/2014	7:50 AM	64.8	64.8	64.7	24	27.1	0	---	0	0	---	64.8	60.1	60.1	30.117	0	0	0	0.001	0	66.5	28	32.4	62.5	5.95	0.0755	227	1	99.6	10
11/24/2014	8:00 AM	64.7	64.8	64.7	24	27	0	---	0	0	---	64.7	60	60	30.123	0	0	0	0.002	0	66.3	28	32.2	62.3	5.95	0.0755	229	1	100	10
11/24/2014	8:10 AM	64.6	64.7	64.6	24	27	0	---	0	0	---	64.6	59.9	59.9	30.127	0	0	0	0.003	0	66.3	28	32.2	62.3	5.95	0.0755	228	1	100	10
11/24/2014	8:20 AM	64.5	64.6	64.5	24	26.9	0	---	0	0	---	64.5	59.8	59.8	30.13	0	0	0	0.003	0	66.2	28	32.1	62.2	5.95	0.0755	227	1	99.6	10
11/24/2014	8:30 AM	64.5	64.5	64.5	24	26.9	0	---	0	0	---	64.5	59.8	59.8	30.133	0	0	0	0.003	0	66.2	28	32.1	62.2	5.95	0.0755	229	1	100	10
11/24/2014	8:40 AM	64.5	64.5	64.4	24	26.9	0	---	0	0	---	64.5	59.8	59.8	30.141	0	0	0	0.003	0	66.2	28	32.1	62.2	5.95	0.0756	227	1	99.6	10
11/24/2014	8:50 AM	64.4	64.5	64.4	24	26.8	0	---	0	0	---	64.4	59.7	59.7	30.142	0	0	0	0.004	0	66.2	28	32.1	62.2	5.95	0.0756	229	1	100	10
11/24/2014	9:00 AM	64.3	64.4	64.3	24	26.7	0	---	0	0	---	64.3	59.6	59.6	30.146	0	0	0	0.005	0	66	28	31.9	62	5.95	0.0756	226	1	99.1	10
11/24/2014	9:10 AM	64.3	64.4	64.3	24	26.7	0	---	0	0	---	64.3	59.6	59.6	30.148	0	0	0	0.005	0	66	28	31.9	62	5.95	0.0756	231	1	100	10
11/24/2014	9:20 AM	64.3	64.3	64.3	24	26.7	0	---	0	0	---	64.3	59.6	59.6	30.155	0	0	0	0.005	0	66	28	31.9	62	5.95	0.0756	228	1	100	10
11/24/2014	9:30 AM	64.2	64.3	64.2	24	26.6	0	---	0	0	---	64.2	59.5	59.5	30.165	0	0	0	0.006	0	66	28	31.9	62	5.95	0.0757	229	1	100	10
11/24/2014	9:40 AM	64.1	64.2	64.1	24	26.5	0	---	0	0	---	64.1	59.4	59.4	30.163	0	0	0	0.006	0	65.8	28	31.8	61.8	5.95	0.0757	229	1	100	10
11/24/2014	9:50 AM	64.1	64.2	64.1	24	26.5	0	---	0	0	---	64.1	59.4	59.4	30.165	0	0	0	0.006	0	65.8	28	31.8	61.8	5.95	0.0757	227	1	99.6	10
11/24/2014	10:00 AM	64.1	64.1	64.1	24	26.5	0	---	0	0	---	64.1	59.4	59.4	30.162	0	0	0	0.006	0	65.8	28	31.8	61.8	5.95	0.0757	230	1	100	10
11/24/2014	10:10 AM	64.1	64.1	64.1	24	26.5	0	---	0	0	---	64.1	59.4	59.4	30.164	0	0	0	0.006	0	65.8	28	31.8	61.8	5.95	0.0757	226	1	99.1	10
11/24/2014	10:20 AM	64.1	64.1	64.1	24	26.5	0	---	0	0	---	64.1	59.4	59.4	30.159	0	0	0	0.006	0	65.8	28	31.8	61.8	5.95	0.0757	231	1	100	10
11/24/2014	10:30 AM	64.1	64.1	64.1	24	26.5	0	---	0	0	---	64.1	59.4	59.4	30.156	0	0	0	0.006	0	66	28	31.9	62	5.95	0.0756	227	1	99.6	10
11/24/2014	10:40 AM	64.1	64.1	64.1	24	26.5	0	---	0	0	---	64.1	59.4	59.4	30.154	0	0	0	0.006	0	66	28	31.9	62	5.95	0.0756	229	1	100	10
11/24/2014	10:50 AM	64.2	64.2	64.1	24	26.6	0	---	0	0	---	64.2	59.5	59.5	30.151	0	0	0	0.006	0	66	28	31.9	62	5.95	0.0756	226	1	99.1	10
11/24/2014	11:00 AM	64.2	64.2	64.1	24	26.6	0	---	0	0	---	64.2	59.5	59.5	30.147	0	0	0	0.006	0	66.2	28	32.1	62.2	5.95	0.0756	229	1	100	10
11/24/2014	11:10 AM	64.3	64.3	64.2	24	26.7	0	---	0	0	---	64.3	59.6	59.6	30.143	0	0	0	0.005	0	66.2	28	32.1	62.2	5.95	0.0756	227	1	99.6	10
11/24/2014	11:20 AM	64.3	64.3	64.2	24	26.7	0	---	0	0	---	64.3	59.6	59.6	30.136	0	0	0	0.005	0	66.3	28	32.2	62.3	5.95	0.0755	228	1	100	10
11/24/2014	11:30 AM	64.4	64.4	64.3	24	26.8	0	---	0	0	---	64.4	59.7	59.7	30.133	0	0	0	0.004	0	66.5	28	32.4	62.5	5.95	0.0755	228	1	100	10
11/24/2014	11:40 AM	64.5	64.5	64.4	24	26.9	0	---	0	0	---	64.5	59.8	59.8	30.131	0	0	0	0.003	0	66.5	28	32.4	62.5	5.95	0.0755	228	1	100	10
11/24/2014	11:50 AM	64.6	64.6	64.5	24	27	0	---	0	0	---	64.6	59.9	59.9	30.125	0	0	0	0.003	0	66.6	28	32.5	62.6	5.95	0.0755	229	1	100	10
11/24/2014	12:00 PM	64.7	64.7	64.6	23	26	0	---	0	0	---	64.7	59.9	59.9	30.119	0	0	0	0.002	0	66.8	28	32.6	62.8	5.95	0.0754	227	1	99.6	10
11/24/2014	12:10 PM	64.8	64.8	64.7	23	26.1	0	---	0	0	---	64.8	60	60	30.12	0	0	0	0.001	0	67	28	32.8	63	5.95	0.0754	230	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/24/2014	12:20 PM	64.9	64.9	64.8	23	26.2	0	---	0	0	---	64.9	60.1	60.1	30.114	0	0	0.001	0	67.1	28	32.9	63.1	5.95	0.0754	224	1	98.2	10
11/24/2014	12:30 PM	65	65	64.9	23	26.3	0	---	0	0	---	65	60.2	60.2	30.108	0	0	0	0	67.3	28	33.1	63.3	5.95	0.0753	229	1	100	10
11/24/2014	12:40 PM	65.2	65.2	65	22	25.4	0	---	0	0	---	65.2	60.3	60.3	30.108	0	0	0	0.001	67.5	28	33.2	63.6	5.95	0.0753	226	1	99.1	10
11/24/2014	12:50 PM	65.4	65.4	65.2	24	27.6	0	---	0	0	---	65.4	60.7	60.7	30.107	0	0	0	0.003	67.8	28	33.5	63.9	5.95	0.0752	227	1	99.6	10
11/24/2014	1:00 PM	65.5	65.5	65.3	26	29.7	0	---	0	0	---	65.5	61.1	61.1	30.106	0	0	0	0.003	67.9	28	33.6	64	5.95	0.0752	228	1	100	10
11/24/2014	1:10 PM	65.7	65.7	65.5	26	29.8	0	---	0	0	---	65.7	61.2	61.2	30.109	0	0	0	0.005	68.3	28	33.9	64.5	5.95	0.0751	227	1	99.6	10
11/24/2014	1:20 PM	65.9	66	65.7	27	30.9	0	---	0	0	---	65.9	61.6	61.6	30.1	0	0	0	0.006	68.4	28	34	64.6	5.95	0.0751	229	1	100	10
11/24/2014	1:30 PM	66.2	66.2	66	27	31.2	0	---	0	0	---	66.2	61.9	61.9	30.102	0	0	0	0.008	68.7	28	34.3	64.9	5.95	0.0751	227	1	99.6	10
11/24/2014	1:40 PM	66.4	66.4	66.2	27	31.4	0	---	0	0	---	66.4	62.1	62.1	30.101	0	0	0	0.01	68.9	28	34.4	65.1	5.95	0.075	229	1	100	10
11/24/2014	1:50 PM	66.6	66.6	66.4	26	30.6	0	---	0	0	---	66.6	62.1	62.1	30.1	0	0	0	0.011	69.1	28	34.6	65.3	5.95	0.075	226	1	99.1	10
11/24/2014	2:00 PM	66.8	66.8	66.6	25	29.8	0	---	0	0	---	66.8	62.1	62.1	30.098	0	0	0	0.013	69.2	28	34.7	65.4	5.95	0.075	229	1	100	10
11/24/2014	2:10 PM	66.9	66.9	66.8	25	29.9	0	---	0	0	---	66.9	62.2	62.2	30.098	0	0	0	0.013	69.4	28	34.9	65.6	5.95	0.0749	225	1	98.7	10
11/24/2014	2:20 PM	67.1	67.1	66.9	24	29.1	0	---	0	0	---	67.1	62.4	62.4	30.099	0	0	0	0.015	69.6	28	35	65.8	5.95	0.0749	230	1	100	10
11/24/2014	2:30 PM	67.3	67.3	67.1	24	29.2	0	---	0	0	---	67.3	62.7	62.7	30.099	0	0	0	0.016	69.7	28	35.1	65.9	5.95	0.0749	227	1	99.6	10
11/24/2014	2:40 PM	67.4	67.4	67.3	24	29.3	0	---	0	0	---	67.4	62.8	62.8	30.096	0	0	0	0.017	69.9	28	35.3	66.1	5.95	0.0749	229	1	100	10
11/24/2014	2:50 PM	67.6	67.6	67.4	24	29.5	0	---	0	0	---	67.6	63.1	63.1	30.097	0	0	0	0.018	70.1	28	35.5	66.3	5.94	0.0748	227	1	99.6	10
11/24/2014	3:00 PM	67.7	67.8	67.6	24	29.6	0	---	0	0	---	67.7	63.2	63.2	30.092	0	0	0	0.019	70.4	28	35.7	66.7	5.93	0.0748	229	1	100	10
11/24/2014	3:10 PM	67.9	67.9	67.8	24	29.7	0	---	0	0	---	67.9	63.5	63.5	30.094	0	0	0	0.02	70.6	28	35.9	67	5.91	0.0747	227	1	99.6	10
11/24/2014	3:20 PM	68.1	68.1	67.9	23	28.9	0	---	0	0	---	68.1	63.6	63.6	30.097	0	0	0	0.022	70.7	27	35.1	67.1	5.81	0.0748	230	1	100	10
11/24/2014	3:30 PM	68.3	68.3	68.1	24	30.1	0	---	0	0	---	68.3	64	64	30.097	0	0	0	0.023	70.9	27	35.2	67.3	5.8	0.0747	228	1	100	10
11/24/2014	3:40 PM	68.5	68.5	68.3	27	33.2	0	---	0	0	---	68.5	64.5	64.5	30.091	0	0	0	0.024	71.1	28	36.3	67.7	5.88	0.0747	226	1	99.1	10
11/24/2014	3:50 PM	68.7	68.7	68.5	29	35.1	0	---	0	0	---	68.7	65	65	30.092	0	0	0	0.026	71.3	28	36.5	67.9	5.87	0.0746	230	1	100	10
11/24/2014	4:00 PM	68.9	68.9	68.7	31	37	0	---	0	0	---	68.9	65.4	65.4	30.096	0	0	0	0.027	71.6	28	36.8	68.4	5.85	0.0746	224	1	98.2	10
11/24/2014	4:10 PM	69.1	69.1	68.9	32	38	0	---	0	0	---	69.1	65.7	65.7	30.091	0	0	0	0.028	71.8	28	36.9	68.6	5.84	0.0745	229	1	100	10
11/24/2014	4:20 PM	69.3	69.3	69.1	32	38.2	0	---	0	0	---	69.3	65.9	65.9	30.094	0	0	0	0.03	72.1	28	37.2	69.1	5.82	0.0745	225	1	98.7	10
11/24/2014	4:30 PM	69.5	69.5	69.3	31	37.5	0	---	0	0	---	69.5	66	66	30.095	0	0	0	0.031	72.3	29	38.2	69.5	5.96	0.0745	227	1	99.6	10
11/24/2014	4:40 PM	69.7	69.7	69.5	29	36	0	---	0	0	---	69.7	66	66	30.093	0	0	0	0.033	72.4	29	38.3	69.6	5.95	0.0744	226	1	99.1	10
11/24/2014	4:50 PM	69.8	69.8	69.7	28	35.2	0	---	0	0	---	69.8	66	66	30.095	0	0	0	0.033	72.4	28	37.4	69.5	5.81	0.0745	229	1	100	10
11/24/2014	5:00 PM	70	70	69.8	28	35.4	0	---	0	0	---	70	66.2	66.2	30.1	0	0	0	0.035	72.6	28	37.6	69.9	5.79	0.0744	228	1	100	10
11/24/2014	5:10 PM	70.1	70.1	70	28	35.5	0	---	0	0	---	70.1	66.3	66.3	30.101	0	0	0	0.035	72.6	28	37.6	69.9	5.79	0.0744	229	1	100	10
11/24/2014	5:20 PM	70.2	70.2	70.1	28	35.5	0	---	0	0	---	70.2	66.5	66.5	30.105	0	0	0	0.036	72.8	28	37.8	70.2	5.78	0.0744	227	1	99.6	10
11/24/2014	5:30 PM	70.3	70.3	70.2	28	35.6	0	---	0	0	---	70.3	66.6	66.6	30.112	0	0	0	0.037	72.8	28	37.8	70.2	5.78	0.0744	228	1	100	10
11/24/2014	5:40 PM	70.3	70.4	70.3	28	35.6	0	---	0	0	---	70.3	66.6	66.6	30.117	0	0	0	0.037	72.8	28	37.8	70.2	5.78	0.0745	227	1	99.6	10
11/24/2014	5:50 PM	70.4	70.4	70.3	28	35.7	0	---	0	0	---	70.4	66.7	66.7	30.121	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0744	227	1	99.6	10
11/24/2014	6:00 PM	70.4	70.4	70.4	28	35.7	0	---	0	0	---	70.4	66.7	66.7	30.129	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0745	228	1	100	10
11/24/2014	6:10 PM	70.5	70.5	70.4	28	35.8	0	---	0	0	---	70.5	66.9	66.9	30.133	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0745	227	1	99.6	10
11/24/2014	6:20 PM	70.5	70.5	70.5	28	35.8	0	---	0	0	---	70.5	66.9	66.9	30.143	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0745	228	1	100	10
11/24/2014	6:30 PM	70.5	70.6	70.5	27	34.9	0	---	0	0	---	70.5	66.8	66.8	30.147	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0745	227	1	99.6	10
11/24/2014	6:40 PM	70.5	70.6	70.5	27	34.9	0	---	0	0	---	70.5	66.8	66.8	30.148	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0745	231	1	100	10
11/24/2014	6:50 PM	70.5	70.6	70.5	27	34.9	0	---	0	0	---	70.5	66.8	66.8	30.155	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0745	224	1	98.2	10
11/24/2014	7:00 PM	70.5	70.6	70.5	27	34.9	0	---	0	0	---	70.5	66.8	66.8	30.158	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0745	230	1	100	10
11/24/2014	7:10 PM	70.5	70.6	70.5	27	34.9	0	---	0	0	---	70.5	66.8	66.8	30.162	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0745	225	1	98.7	10
11/24/2014	7:20 PM	70.5	70.6	70.5	27	34.9	0	---	0	0	---	70.5	66.8	66.8	30.164	0	0	0	0.038	72.9	28	37.9	70.3	5.78	0.0746	229	1	100	10
11/24/2014	7:30 PM	70.5	70.6	70.5	27	34.9	0	---	0	0	---	70.5	66.8	66.8	30.171	0	0	0	0.038	72.8	28	37.8	70.2	5.78	0.0746	229	1	100	10
11/24/2014	7:40 PM	70.5	70.5	70.5	27	34.9	0	---	0	0	---	70.5	66.8	66.8	30.172	0	0	0	0.038	72.8	28	37.8	70.2	5.78	0.0746	229	1	100	10
11/24/2014	7:50 PM	70.4	70.5	70.4	27	34.8	0	---	0	0	---	70.4	66.6	66.6	30.176	0	0	0	0.038	72.8	28	37.8	70.2	5.78	0.0746	229	1	100	10
11/24/2014	8:00 PM	70.4	70.4	70.4	26	33.9	0	---	0	0	---	70.4	66.6	66.6	30.183	0	0	0	0.038	72.6	28	37.6	69.9	5.79	0.0746	226	1	99.1	10
11/24/2014	8:10 PM	70.4	70.4	70.4	26	33.9	0	---	0	0	---	70.4	66.6	66.6	30.185	0	0	0	0.038	72.6	28	37.6	69.9	5.79	0.0747	226	1	99.1	10
11/24/2014	8:20 PM	70.3	70.4	70.3	26	33.8	0	---	0	0	---	70.3	66.4	66.4	30.186	0	0	0	0.037	72.6	28	37.6	69.9	5.79	0.0747	227	1	99.6	10
11/24/2014	8:30 PM	70.3	70.3	70.3	26	33.8	0	---	0	0	---	70.3	66.4	66.4	30.185	0	0	0	0.037	72.6	28	37.6	69.9	5.79	0.0747	229	1	100	10
11/24/2014	8:40 PM	70.2	70.3	70.2	26	33.7	0	---	0	0	---	70.2	66.3	66.3	30.192	0	0	0	0.036	72.4	27	36.5	69.4	5.71	0.0747	228	1	100	10
11/24/2014	8:50 PM	70.2	70.3	70.2	26	33.7	0	---	0	0	---	70.2	66.3	66.3	30.195	0	0	0	0.036	72.4	27	36.5	69.4	5.71	0.0747	230	1	100	10
11/24/2014	9:00 PM	70.2	70.2	70.1	26	33.7	0	---	0	0	---	70.2	66.3	66.3	30.197	0	0	0	0.036	72.4	27	36.5	69.4	5.71	0.0747	227	1	99.6	10
11/24/2014	9:10 PM	70.1	70.2	70.1	26	33.6	0	---	0	0	---	70.1	66.1	66.1	30.199	0	0	0	0.035	72.3	27	36.4	69.3	5.71	0.0748	230	1	100	10
11/24/2014	9:20 PM	70.1	70.1	70.1	26	33.6	0	---	0	0	---	70.1	66.1	66.1	30.199	0	0	0	0.035	72.3	27	36.4	69.3	5.71	0.0748	225	1	98.7	10
11/24/2014	9:30 PM	70	70.1	70	25	32.5	0	---	0	0	---	70	65.9	65.9	30.2	0	0	0	0.035	72.3	27	36.4	69.3	5.71	0.0748	230	1	100	10
11/24/2014	9:40 PM	70	70.1	70	25	32.5	0	---	0	0	---	70	65.9	65.9	30.204	0	0	0	0.035	72.3	27	36.4	69.3	5.71	0.0748	227	1	99.6	10
11/24/2014	9:50 PM	69.9	70	69.9	25	32.5	0	---	0	0	---	69.9	65.8	65.8	30.204	0	0	0	0.034	72.1	27	36.3	69	5.72	0.0748	230	1	100	10
11/24/2014	10:00 PM	69.9	70	69.9	26	33.4	0	---	0	0	---	69.9	65.9	65.9	30.202	0	0	0	0.034	72.1	27	36.3	69	5.72	0.0748	227	1	99.6	10
11/24/2014	10:10 PM	69.9	69.9	69.9	25	32.5	0	---	0	0	---	69.9	65.8	65.8	30.208	0	0	0	0.034	72.1	27	36.3	69	5.72	0.0748	229	1	100	10
11/24/2014	10:20 PM	69.8	69.9	69.8	25	32.4	0	---	0	0	---	69.8	65.7	65.7	30.206	0	0	0	0.033	71.9	27	36.1	68.7	5.74	0.0748	229	1	100	10
11/24/2014	10:30 PM	69.8	69.8	69.8	25	32.4	0	---	0	0	---	69.8	65.7	65.7	30.214	0	0	0	0.033	71.9	27	36.1	68.7	5.74	0.0749	227	1	99.6	10
11/24/2014	10:40 PM	69.7	69.8	69.7	25	32.3	0	---	0	0	---	69.7	65.6	65.6	30.215	0	0	0	0.033	71.9	27	36.1	68.7	5.74	0.0749	231	1	100	10
11/24/2014	10:50 PM	69.7	69.8	69.7	25	32.3	0	---	0	0	---	69.7	65.6	65.6	30.214	0	0	0	0.033	71.8	27	36	68.5	5.74	0.0749	226	1	99.1	10
11/24/2014	11:00 PM	69.7	69.7	69.6	25	32.3	0	---	0	0	---	69.7	65.6	65.6	30.217	0	0	0	0.033	71.8	27	36	68.5	5.74	0.0749	230	1	100	10
11/24/2014	11:10 PM	69.6	69.7	69.6	25	32.2	0	---	0	0	---	69.6	65.5	65.5	30.222	0	0	0	0.032	71.8	27	36	68.5	5.74	0.0749	227	1	99.6	10
11/24/2014	11:20 PM	69.5	69.6	69.5	25	32.1	0	---	0	0	---	69.5	65.4	65.4	30.222	0	0	0	0.031	71.6	27	35.8	68.3	5.75	0.0749	229	1	100	10
11/24/2014	11:30 PM	69.5	69.5	69.5	25	32.1	0	---	0	0	---	69.5	65.4	65.4	30.228	0	0	0	0.031	71.6	27	35.8	68.3	5.75	0.0749	227	1	99.6	10
11/24/2014	11:40 PM	69.4	69.5	69.4	25	32	0	---	0	0	---	69.4	65.2	65.2	30.229	0	0	0	0.031	71.4	27	35.7	68	5.77	0.075	229	1	100	10
11/24/2014	11:50 PM	69.4	69.4	69.4	25	32	0	---	0	0	---	69.4	65.2	65.2	30.234	0	0	0	0.031	71.4	27	35.7	68	5.77	0.075	224	1	98.2	10
11/25/2014	12:10 AM	69.2	69.3	69.2	24	30.8	0	---	0	0	---	69.2	64.9	64.9	30.237	0	0	0	0.029	71.3	26	34.6	67.8	5.6	0.075	225	1	98.7	10
11/25/2014	12:20 AM	69.2	69.3	69.2	24	30.8	0	---	0	0	---	69.2	64.9	64.9	30.235	0	0	0	0.029	71.3	26	34.6	67.8	5.6	0.075	228	1	100	10
11/25/2014	12:30 AM	69.1	69.2	69.1	24	30.8	0	---	0	0	---	69.1	64.8	64.8	30.238	0	0	0	0.028	71.1	26	34.5	67.5	5.61	0.0751	227	1	99.6	10
11/25/2014	12:40 AM	69	69.1	69	24	30.7	0	---	0	0	---	69	64.7	64.7	30.24	0	0	0	0.028	71.1	26	34.5	67.5	5.61	0.0751	228	1	100	10
11/25/2014	12:50 AM	69	69	69	24	30.7	0	---	0	0	---	69	64.7	64.7	30.238	0	0	0	0.028	71.1	26	34.5	67.5	5.61	0.0751	228	1	100	10
11/25/2014	1:00 AM	68.9	69	68.9	24	30.6	0	---	0	0	---	68.9	64.6	64.6	30.239	0	0	0	0.027	70.9	26	34.3	67.2	5.61	0.0751	225	1	98.7	10
11/25/2014	1:10 AM	68.9	68.9	68.9	24	30.6	0	---	0	0	---	68.9	64.6	64.6	30.239	0	0	0	0.027	70.9	26	34.3	67.2	5.61	0.0751	230	1	100	10
11/25/2014	1:20 AM	68.8	68.9	68.8	24	30.5	0	---	0	0	---	68.8	64.5	64.5	30.243	0	0	0	0.026	70.7	26	34.1	67	5.62	0.0751	226	1	99.1	10
11/25/2014	1:30 AM	68.8	68.8	68.8	24	30.5	0	---	0	0	---	68.8	64.5	64.5	30.249	0	0	0	0.026	70.7	26	34.1	67	5.62	0.0752	231	1	100	10
11/25/2014	1:40 AM	68.7	68.8	68.7	25	31.4	0	---	0	0	---	68.7	64.5	64.5	30.253	0	0	0	0.026	70.7	26	34.1	67	5.62	0.0752	227	1	99.6	10
11/25/2014	1:50 AM	68.6	68.7	68.6	25	31.3	0	---	0	0	---	68.6	64.4	64.4	30.251	0	0	0	0.025	70.6	26	34	66.8	5.63	0.0752	229	1	100	10
11/25/2014	2:00 AM	68.6	68.6	68.6	25	31.3	0	---	0	0	---	68.6	64.4	64.4	30.255	0	0	0	0.025	70.6	26	34	66.8	5.63	0.0752	226	1	99.1	10
11/25/2014	2:10 AM	68.5	68.6	68.5	25	31.3	0	---	0	0	---	68.5	64.3	64.3	30.252	0	0	0	0.024	70.4	26	33.9	66.6	5.63	0.0752	229	1	100	10
11/25/2014	2:20 AM	68.5	68.5	68.5	25	31.3	0	---	0	0	---	68.5	64.3	64.3	30.252	0	0	0	0.024	70.4	26	33.9	66.6	5.63	0.0752	229	1	100	10
11/25/2014	2:30 AM	68.4	68.5	68.4	25	31.2	0	---	0	0	---	68.4	64.2	64.2	30.252	0	0	0	0.024	70.2	26	33.7	66.3	5.64	0.0752	228	1	100	10
11/25/2014	2:40 AM	68.3	68.4	68.3	24	30.1	0	---	0	0	---	68.3	64	64	30.253	0	0	0	0.023	70.2	26	33.7	66.3	5.64	0.0752	228	1	100	10
11/25/2014	2:50 AM	68.3	68.3	68.3	24	30.1	0	---	0	0	---	68.3	64	64	30.252	0	0	0	0.023	70.1	26	33.6	66.1	5.65	0.0753	227	1	99.6	10
11/25/2014	3:00 AM	68.2	68.3	68.2	24	30	0	---	0	0	---	68.2	63.9	63.9	30.25	0	0	0	0.022	70.1	26	33.6	66.1	5.65	0.0753	229	1	100	10
11/25/2014	3:10 AM	68.1	68.2	68.1	24	29.9	0	---	0	0	---	68.1	63.8	63.8	30.254	0	0	0	0.022	69.9	26	33.4	65.9	5.65	0.0753	225	1	98.7	10
11/25/2014	3:20 AM	68	68.1	68	24	29.8	0	---	0	0	---	68	63.7	63.7	30.255	0	0	0	0.021	69.9	26	33.4	65.9	5.65	0.0753	229	1	100	10
11/25/2014	3:30 AM	68	68.1	68	24	29.8	0	---	0	0	---	68	63.7	63.7	30.253	0	0	0	0.021	69.7	26	33.3	65.7	5.65	0.0753	225	1	98.7	10
11/25/2014	3:40 AM	67.9	68	67.9	24	29.7	0	---	0	0	---	67.9	63.5	63.5	30.251	0	0	0	0.02	69.7	26	33.3	65.7	5.65	0.0753	231	1	100	10
11/25/2014	3:50 AM	67.8	67.9	67.8	24	29.7	0	---	0	0	---	67.8	63.4	63.4	30.253	0	0	0	0.019	69.6	26	33.2	65.6	5.65	0.0753	225	1	98.7	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/25/2014	4:00 AM	67.7	67.8	67.7	24	29.6	0	---	0	0	---	67.7	63.2	63.2	30.251	0	0	0	0.019	69.6	26	33.2	65.6	5.65	0.0753	230	1	100	10
11/25/2014	4:10 AM	67.7	67.7	67.7	24	29.6	0	---	0	0	---	67.7	63.2	63.2	30.255	0	0	0	0.019	69.4	26	33	65.4	5.65	0.0754	227	1	99.6	10
11/25/2014	4:20 AM	67.6	67.7	67.6	24	29.5	0	---	0	0	---	67.6	63.1	63.1	30.258	0	0	0	0.018	69.4	26	33	65.4	5.65	0.0754	231	1	100	10
11/25/2014	4:30 AM	67.5	67.6	67.5	24	29.4	0	---	0	0	---	67.5	62.9	62.9	30.262	0	0	0	0.017	69.2	26	32.8	65.1	5.65	0.0754	227	1	99.6	10
11/25/2014	4:40 AM	67.4	67.5	67.4	24	29.3	0	---	0	0	---	67.4	62.8	62.8	30.267	0	0	0	0.017	69.2	26	32.8	65.1	5.65	0.0754	229	1	100	10
11/25/2014	4:50 AM	67.4	67.4	67.4	24	29.3	0	---	0	0	---	67.4	62.8	62.8	30.267	0	0	0	0.017	69.2	26	32.8	65.1	5.65	0.0754	229	1	100	10
11/25/2014	5:00 AM	67.3	67.4	67.3	24	29.2	0	---	0	0	---	67.3	62.7	62.7	30.266	0	0	0	0.016	69.1	26	32.7	65	5.65	0.0755	226	1	99.1	10
11/25/2014	5:10 AM	67.2	67.3	67.2	24	29.2	0	---	0	0	---	67.2	62.5	62.5	30.263	0	0	0	0.015	69.1	26	32.7	65	5.65	0.0754	230	1	100	10
11/25/2014	5:20 AM	67.2	67.2	67.1	24	29.2	0	---	0	0	---	67.2	62.5	62.5	30.264	0	0	0	0.015	68.9	26	32.6	64.8	5.65	0.0755	225	1	98.7	10
11/25/2014	5:30 AM	67.1	67.2	67.1	24	29.1	0	---	0	0	---	67.1	62.4	62.4	30.265	0	0	0	0.015	68.9	25	31.6	64.7	5.53	0.0755	229	1	100	10
11/25/2014	5:40 AM	67	67.1	67	23	27.9	0	---	0	0	---	67	62.1	62.1	30.266	0	0	0	0.014	68.7	25	31.4	64.5	5.52	0.0755	227	1	99.6	10
11/25/2014	5:50 AM	66.9	67	66.9	23	27.9	0	---	0	0	---	66.9	62	62	30.268	0	0	0	0.013	68.7	25	31.4	64.5	5.52	0.0755	230	1	100	10
11/25/2014	6:00 AM	66.8	66.9	66.8	24	28.8	0	---	0	0	---	66.8	62	62	30.271	0	0	0	0.013	68.6	25	31.3	64.4	5.52	0.0756	227	1	99.6	10
11/25/2014	6:10 AM	66.8	66.9	66.8	23	27.8	0	---	0	0	---	66.8	61.9	61.9	30.272	0	0	0	0.013	68.6	25	31.3	64.4	5.52	0.0756	230	1	100	10
11/25/2014	6:20 AM	66.7	66.8	66.7	22	26.6	0	---	0	0	---	66.7	61.8	61.8	30.273	0	0	0	0.012	68.6	25	31.3	64.4	5.52	0.0756	227	1	99.6	10
11/25/2014	6:30 AM	66.6	66.7	66.6	21	25.4	0	---	0	0	---	66.6	61.6	61.6	30.278	0	0	0	0.011	68.4	25	31.2	64.2	5.52	0.0756	228	1	100	10
11/25/2014	6:40 AM	66.5	66.6	66.5	20	24.2	0	---	0	0	---	66.5	61.4	61.4	30.284	0	0	0	0.01	68.3	25	31.1	64.1	5.52	0.0756	228	1	100	10
11/25/2014	6:50 AM	66.3	66.5	66.3	20	24	0	---	0	0	---	66.3	61.2	61.2	30.285	0	0	0	0.009	68.1	24	29.9	63.8	5.31	0.0757	228	1	100	10
11/25/2014	7:00 AM	66.2	66.3	66.2	21	25.1	0	---	0	0	---	66.2	61.2	61.2	30.289	0	0	0	0.008	67.9	24	29.7	63.5	5.31	0.0757	228	1	100	10
11/25/2014	7:10 AM	66	66.2	66	21	24.9	0	---	0	0	---	66	61	61	30.296	0	0	0	0.007	67.9	24	29.7	63.5	5.31	0.0758	227	1	99.6	10
11/25/2014	7:20 AM	65.9	66	65.9	21	24.8	0	---	0	0	---	65.9	60.9	60.9	30.297	0	0	0	0.006	67.8	24	29.7	63.4	5.31	0.0758	230	1	100	10
11/25/2014	7:30 AM	65.8	65.9	65.8	21	24.7	0	---	0	0	---	65.8	60.8	60.8	30.297	0	0	0	0.006	67.6	24	29.5	63.1	5.3	0.0758	226	1	99.1	10
11/25/2014	7:40 AM	65.7	65.8	65.7	21	24.7	0	---	0	0	---	65.7	60.7	60.7	30.302	0	0	0	0.005	67.6	24	29.5	63.1	5.3	0.0758	231	1	100	10
11/25/2014	7:50 AM	65.6	65.7	65.6	21	24.6	0	---	0	0	---	65.6	60.6	60.6	30.303	0	0	0	0.004	67.5	24	29.4	62.9	5.3	0.0758	227	1	99.6	10
11/25/2014	8:00 AM	65.5	65.6	65.5	21	24.5	0	---	0	0	---	65.5	60.5	60.5	30.306	0	0	0	0.003	67.3	24	29.2	62.7	5.3	0.0759	228	1	100	10
11/25/2014	8:10 AM	65.4	65.5	65.4	21	24.4	0	---	0	0	---	65.4	60.4	60.4	30.308	0	0	0	0.003	67.3	24	29.2	62.7	5.3	0.0759	228	1	100	10
11/25/2014	8:20 AM	65.4	65.4	65.3	21	24.4	0	---	0	0	---	65.4	60.4	60.4	30.309	0	0	0	0.003	67.3	24	29.2	62.7	5.3	0.0759	228	1	100	10
11/25/2014	8:30 AM	65.3	65.4	65.3	21	24.3	0	---	0	0	---	65.3	60.4	60.4	30.31	0	0	0	0.002	67.1	24	29.1	62.4	5.29	0.0759	227	1	99.6	10
11/25/2014	8:40 AM	65.3	65.3	65.2	22	25.4	0	---	0	0	---	65.3	60.4	60.4	30.311	0	0	0	0.002	67.1	24	29.1	62.4	5.29	0.0759	227	1	99.6	10
11/25/2014	8:50 AM	65.2	65.3	65.2	21	24.2	0	---	0	0	---	65.2	60.3	60.3	30.307	0	0	0	0.001	67.1	24	29.1	62.4	5.29	0.0759	229	1	100	10
11/25/2014	9:00 AM	65.2	65.2	65.2	21	24.2	0	---	0	0	---	65.2	60.3	60.3	30.303	0	0	0	0.001	67.1	24	29.1	62.4	5.29	0.0759	226	1	99.1	10
11/25/2014	9:10 AM	65.2	65.2	65.2	19	21.9	0	ESE	0	2	SSE	65.2	60.1	60.1	30.309	0.04	1.34	0	0.001	67.1	23	28	62.3	5.09	0.0759	228	1	100	10
11/25/2014	9:20 AM	65.3	65.3	65.2	19	21.9	0	WSW	0	4	WNW	65.3	60.2	60.2	30.308	0	0.05	0	0.002	67.3	22	27.1	62.5	4.95	0.0759	227	1	99.6	10
11/25/2014	9:30 AM	66.6	66.6	65.3	17	20.4	1	SSE	0.17	7	SE	66.6	61.3	61.3	30.31	0.01	0.05	0	0.011	67.6	21	26.2	62.7	4.75	0.0759	229	1	100	10
11/25/2014	9:40 AM	70.9	70.9	66.7	15	20.9	1	S	0.17	7	SE	70.9	66.3	66.3	30.308	0	0	0	0.041	67.9	21	26.5	63.1	4.75	0.0758	227	1	99.6	10
11/25/2014	9:50 AM	72.7	72.7	71	12	17.1	2	SW	0.33	7	SW	72.7	68.4	68.4	30.309	0	0	0	0.053	68.1	21	26.7	63.4	4.75	0.0758	228	1	100	10
11/25/2014	10:00 AM	73.7	73.7	72.7	12	17.9	2	SW	0.33	6	SW	73.7	69.7	69.7	30.308	0	0	0	0.06	68.1	20	25.5	63.2	4.55	0.0758	229	1	100	10
11/25/2014	10:10 AM	74.5	74.5	73.7	12	18.5	2	SSE	0.33	5	SW	74.5	70.9	70.9	30.304	0	0	0	0.066	68.4	21	26.9	63.7	4.75	0.0757	227	1	99.6	10
11/25/2014	10:20 AM	75.6	75.6	74.6	12	19.4	1	WSW	0.17	4	SW	75.6	72.7	72.7	30.301	0	0	0	0.074	69.1	22	28.6	64.6	4.95	0.0756	225	1	98.7	10
11/25/2014	10:30 AM	76	76.1	75.6	12	19.7	1	SSE	0.17	5	WSW	76	73.3	73.3	30.294	0	0	0	0.076	69.1	22	28.6	64.6	4.95	0.0756	224	1	98.2	10
11/25/2014	10:40 AM	76.5	76.5	76	12	20.1	1	WSW	0.17	5	SSW	76.5	74.1	74.1	30.285	0	0	0	0.08	69.2	22	28.7	64.7	4.95	0.0756	227	1	99.6	10
11/25/2014	10:50 AM	76.7	76.7	76.5	12	20.2	2	WSW	0.33	5	W	76.7	74.4	74.4	30.284	0	0	0	0.081	69.6	22	29	65.2	4.95	0.0755	225	1	98.7	10
11/25/2014	11:00 AM	77.4	77.4	76.7	11	18.7	1	SW	0.17	6	WSW	77.4	74.7	74.7	30.273	0	0	0	0.086	69.9	22	29.3	65.5	4.95	0.0754	230	1	100	10
11/25/2014	11:10 AM	77.8	77.8	77.4	10	16.8	1	WSW	0.17	6	W	77.8	74.6	74.6	30.271	0	0	0	0.089	70.2	22	29.5	65.9	4.95	0.0754	226	1	99.1	10
11/25/2014	11:20 AM	77.7	77.8	77.7	10	16.7	1	W	0.17	4	WSW	77.7	74.6	74.6	30.265	0	0	0	0.088	70.6	22	29.9	66.5	4.94	0.0753	230	1	100	10
11/25/2014	11:30 AM	78.4	78.4	77.7	9	14.8	1	WSW	0.17	5	WSW	78.4	74.7	74.7	30.262	0	0	0	0.093	70.6	22	29.9	66.5	4.94	0.0753	224	1	98.2	10
11/25/2014	11:40 AM	78.6	78.6	78.3	9	15	1	WSW	0.17	4	W	78.6	74.8	74.8	30.253	0	0	0	0.094	70.7	22	30	66.6	4.94	0.0752	228	1	100	10
11/25/2014	11:50 AM	79.1	79.1	78.6	8	12.7	1	WNW	0.17	6	WNW	79.1	75	75	30.246	0	0	0	0.098	71.1	22	30.3	67.1	4.93	0.0752	229	1	100	10
11/25/2014	12:00 PM	78.8	79.2	78.8	9	15.1	1	WNW	0.17	4	WNW	78.8	74.9	74.9	30.238	0	0	0	0.096	71.8	22	30.9	68	4.91	0.075	228	1	100	10
11/25/2014	12:10 PM	79.1	79.1	78.8	14	25.8	2	N	0.33	6	N	79.1	75.6	75.6	30.229	0	0	0	0.098	72.3	22	31.3	68.8	4.9	0.0749	226	1	99.1	10
11/25/2014	12:20 PM	78.8	79.1	78.8	12	21.9	3	N	0.5	6	NNE	78.8	75.2	75.2	30.221	0	0	0	0.096	72.6	22	31.5	69.3	4.9	0.0749	228	1	100	10
11/25/2014	12:30 PM	78.6	78.8	78.5	11	19.7	2	NNW	0.33	5	N	78.6	75	75	30.223	0	0	0	0.094	73.1	22	32	70	4.89	0.0748	226	1	99.1	10
11/25/2014	12:40 PM	78.6	78.6	78.4	11	19.7	3	N	0.5	6	NNE	78.6	75	75	30.215	0	0	0	0.094	73.6	22	32.4	70.7	4.88	0.0747	228	1	100	10
11/25/2014	12:50 PM	79.1	79.1	78.6	12	22.1	2	NW	0.33	6	WNW	79.1	75.4	75.4	30.21	0	0	0	0.098	73.8	22	32.6	71	4.87	0.0746	224	1	98.2	10
11/25/2014	1:00 PM	78.3	79.1	78.3	11	19.4	3	N	0.5	6	NNW	78.3	74.9	74.9	30.206	0	0	0	0.092	74.1	22	32.8	71.4	4.87	0.0746	226	1	99.1	10
11/25/2014	1:10 PM	78.3	78.5	78.3	11	19.4	2	N	0.33	8	NNW	78.3	74.9	74.9	30.206	0	0	0	0.092	74.3	21	31.8	71.6	4.75	0.0746	225	1	98.7	10
11/25/2014	1:20 PM	78.1	78.3	78	11	19.3	2	N	0.33	5	NNE	78.1	74.8	74.8	30.2	0	0	0	0.091	74.7	21	32.1	72.1	4.75	0.0745	227	1	99.6	10
11/25/2014	1:30 PM	77.5	78.1	77.5	11	18.8	3	N	0.5	7	N	77.5	74.7	74.7	30.197	0	0	0	0.087	75.2	21	32.6	72.9	4.75	0.0744	228	1	100	10
11/25/2014	1:40 PM	77.2	77.5	77.2	12	20.6	2	NNW	0.33	6	N	77.2	74.9	74.9	30.192	0	0	0	0.085	75.2	21	32.6	72.9	4.75	0.0744	225	1	98.7	10
11/25/2014	1:50 PM	76.9	77.2	76.9	12	20.4	3	N	0.5	6	NNW	76.9	74.7	74.7	30.189	0	0	0	0.083	75.2	21	32.6	72.9	4.75	0.0744	229	1	100	10
11/25/2014	2:00 PM	76.6	76.9	76.5	11	18.1	2	NNW	0.33	5	N	76.6	74.1	74.1	30.186	0	0	0	0.081	75.2	19	30.1	72.7	4.35	0.0744	225	1	98.7	10
11/25/2014	2:10 PM	76.2	76.6	76.2	10	15.6	2	N	0.33	6	N	76.2	73.4	73.4	30.184	0	0	0	0.078	75.5	17	27.6	73	3.94	0.0744	232	1	100	10
11/25/2014	2:20 PM	75.7	76.2	75.7	13	21.3	3	N	0.5	6	NNE	75.7	73	73	30.183	0	0	0	0.074	75.5	17	27.6	73	3.94	0.0744	226	1	99.1	10
11/25/2014	2:30 PM	75.5	75.7	75.4	11	17.3	3	N	0.5	7	NNW	75.5	72.5	72.5	30.183	0	0	0	0.073	75.7	18	29.2	73.4	4.14	0.0744	229	1	100	10
11/25/2014	2:40 PM	74.7	75.5	74.7	13	20.5	4	N	0.67	8	N	74.7	71.4	71.4	30.18	0	0	0	0.067	75.9	18	29.3	73.7	4.13	0.0743	227	1	99.6	10
11/25/2014	2:50 PM	74.4	74.7	74.4	14	22.1	3	N	0.5	7	N	74.4	70.9	70.9	30.18	0	0	0	0.065	76	18	29.4	73.9	4.13	0.0743	226	1	99.1	10
11/25/2014	3:00 PM	73.9	74.4	73.9	22	32.6	4	N	0.67	7	N	73.9	71.1	71.1	30.176	0	0	0	0.062	76.2	20	32.2	74.4	4.55	0.0742	222	1	97.4	10
11/25/2014	3:10 PM	72.9	73.9	72.9	27	36.9	4	N	0.67	9	N	72.9	70.2	70.2	30.174	0	0	0	0.055	76.2	23	35.7	74.5	5.05	0.0742	228	1	100	10
11/25/2014	3:20 PM	72.1	72.9	72.1	30	38.9	3	N	0.5	7	NE	72.1	69.3	69.3	30.178	0	0	0	0.049	75.9	24	36.5	74.1	5.15	0.0742	224	1	98.2	10
11/25/2014	3:30 PM	71.9	72.1	71.9	31	39.6	3	N	0.5	7	N	71.9	69.1	69.1	30.178	0	0	0	0.048	75.5	26	38.2	73.7	5.45	0.0742	230	1	100	10
11/25/2014	3:40 PM	71.6	71.9	71.6	30	38.5	3	N	0.5	6	NNE	71.6	68.5	68.5	30.172	0	0	0	0.046	75.3	25	37	73.3	5.26	0.0743	224	1	98.2	10
11/25/2014	3:50 PM	71.1	71.6	71.1	34	41.3	3	N	0.5	7	ENE	71.1	68.2	68.2	30.171	0	0	0	0.042	75.2	27	38.9	73.3	5.55	0.0742	229	1	100	10
11/25/2014	4:00 PM	70.4	71.1	70.4	43	46.8	3	N	0.5	7	NNE	70.4	68.1	68.1	30.172	0	0	0	0.038	75.5	29	41	73.8	5.85	0.0741	226	1	99.1	10
11/25/2014	4:10 PM	69.9	70.4	69.8	42	45.8	1	N	0.17	4	NNW	69.9	67.4	67.4	30.171	0.04	0.96	0	0.034	75.2	33	44.1	73.8	6.55	0.0741	228	1	100	10
11/25/2014	4:20 PM	70.2	70.2	69.9	43	46.6	0	---	0	0	---	70.2	67.9	67.9	30.175	0	0.05	0	0.036	74.7	35	45.2	73.5	6.96	0.0741	227	1	99.6	10
11/25/2014	4:30 PM	70.6	70.6	70.2	43	47	0	---	0	0	---	70.6	68.4	68.4	30.173	0	0	0	0.039	74.5	35	45	73.3	6.96	0.0742	226	1	99.1	10
11/25/2014	4:40 PM	71	71	70.7	44	48	0	---	0	0	---	71	69	69	30.174	0	0	0	0.042	74.7	37	46.7	73.6	7.26	0.0741	230	1	100	10
11/25/2014	4:50 PM	71.3	71.3	71	43	47.6	0	---	0	0	---	71.3	69.4	69.4	30.171	0	0	0	0.044	74.7	35	45.2	73.5	6.96	0.0741	225	1	98.7	10
11/25/2014	5:00 PM	71.5	71.5	71.3	41	46.6	0	---	0	0	---	71.5	69.4	69.4	30.173	0	0	0	0.045	74.7	35	45.2	73.5	6.96	0.0741	230	1	100	10
11/25/2014	5:10 PM	71.7	71.7	71.5	40	46.1	0	---	0	0	---	71.7	69.6	69.6	30.172	0	0	0	0.047	74.5	35	45	73.3	6.96	0.0742	228	1	100	10
11/25/2014	5:20 PM	71.8	71.8	71.7	40	46.2	0	---	0	0	---	71.8	69.8	69.8	30.176	0	0	0	0.047	74.3	35	44.9	73	6.96	0.0742	229	1	100	10
11/25/2014	5:30 PM	71.9	71.9	71.8	40	46.3	0	---	0	0	---	71.9	69.9	69.9	30.175	0	0	0	0.048	74.3	35	44.9	73	6.96	0.0742	228	1	100	10
11/25/2014	5:40 PM	71.9	71.9	71.9	40	46.3	0	---	0	0	---	71.9	69.9	69.9	30.178	0	0	0	0.048	74.1	35	44.7	72.8	6.97	0.0743	228	1	100	10
11/25/2014	5:50 PM	72	72	71.9	41	47	0	---	0	0	---	72	70.2	70.2	30.178	0	0	0	0.049	74.1	35	44.7	72.8	6.97	0.0743	229	1	100	10
11/25/2014	6:00 PM	72	72	71.9	41	47	0	---	0	0	---	72	70.2	70.2	30.177	0	0	0	0.049	74	36	45.3	72.8	7.09	0.0742	229	1	100	10
11/25/2014	6:10 PM	72	72	72	41	47	0	---	0	0	---	72	70.2	70.2	30.176	0	0	0	0.049	74	36	45.3	72.8	7.09	0.0742	227	1	99.6	10
11/25/2014	6:20 PM	72	72	71.9	41	47	0	---	0	0	---	72	70.2	70.2	30.176	0	0	0	0.049	74	36	45.3	72.8	7.09	0.0742	229	1	100	10
11/25/2014	6:30 PM	71.9	72	71.9	42	47.6	0	---	0	0	---	71.9	70.1	70.1	30.177	0	0	0	0.048	74	36	45.3	72.8	7.09	0.0742	229	1	100	10
11/25/2014	6:40 PM	71.9	72	71.9	42	47.6	0	---	0	0	---	71.9	70.1	70.1	30.181	0	0	0	0.048	73.8	37	45.9	72.6	7.27	0.0743	228	1	100	10
11/25/2014	6:50 PM	71.9	71.9	71.9	42	47.6	0	---	0	0	---	71.9	70.1	70.1	30.186	0	0	0	0.048	73.8	37	45.9	72.6	7.27	0.0743	229	1	100	10
11/25/2014	7:00 PM	71.9	71.9	71.8	43	48.2	0	---	0	0	---	71.9	70.3	70.3	30.188	0	0	0	0.048	73.8	37	45.9	72.6	7.27	0.0743	225	1	98.7	10
11/25/2014	7:10 PM	71.8	71.9	71.8	43	48.1	0	---	0	0	---	71.8	70.1	70.1	30.187	0	0	0	0.047	73.6	37	45.7	72.3	7.28	0.0743	230	1	100	10
11/25/2014	7:20 PM	71.7	71.9	71.7	43	48	0	---	0	0	---	71.7	69.9	69.9	30.187	0	0	0	0.047	73.6	38	46.4	72.4	7.41	0.0743	225	1	98.7	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/25/2014	7:30 PM	71.7	71.8	71.7	43	48	0	---	0	0	---	71.7	69.9	69.9	30.186	0	0	0	0.047	73.5	38	46.3	72.2	7.41	0.0743	231	1	100	10
11/25/2014	7:40 PM	71.7	71.7	71.7	43	48	0	---	0	0	---	71.7	69.9	69.9	30.184	0	0	0	0.047	73.5	38	46.3	72.2	7.41	0.0743	226	1	99.1	10
11/25/2014	7:50 PM	71.6	71.7	71.6	43	47.9	0	---	0	0	---	71.6	69.8	69.8	30.184	0	0	0	0.046	73.5	38	46.3	72.2	7.41	0.0743	229	1	100	10
11/25/2014	8:00 PM	71.5	71.6	71.5	43	47.8	0	---	0	0	---	71.5	69.7	69.7	30.186	0	0	0	0.045	73.3	38	46.2	71.9	7.42	0.0743	228	1	100	10
11/25/2014	8:10 PM	71.5	71.6	71.5	44	48.4	0	---	0	0	---	71.5	69.8	69.8	30.188	0	0	0	0.045	73.3	38	46.2	71.9	7.42	0.0743	229	1	100	10
11/25/2014	8:20 PM	71.4	71.5	71.4	44	48.3	0	---	0	0	---	71.4	69.6	69.6	30.191	0	0	0	0.044	73.1	39	46.7	71.7	7.59	0.0744	227	1	99.6	10
11/25/2014	8:30 PM	71.3	71.4	71.3	44	48.3	0	---	0	0	---	71.3	69.5	69.5	30.195	0	0	0	0.044	73.1	39	46.7	71.7	7.59	0.0744	229	1	100	10
11/25/2014	8:40 PM	71.3	71.3	71.3	44	48.3	0	---	0	0	---	71.3	69.5	69.5	30.194	0	0	0	0.044	72.9	39	46.5	71.4	7.59	0.0744	229	1	100	10
11/25/2014	8:50 PM	71.2	71.3	71.2	44	48.2	0	---	0	0	---	71.2	69.3	69.3	30.194	0	0	0	0.043	72.9	39	46.5	71.4	7.59	0.0744	228	1	100	10
11/25/2014	9:00 PM	71.1	71.2	71.1	44	48.1	0	---	0	0	---	71.1	69.1	69.1	30.194	0	0	0	0.042	72.8	39	46.4	71.3	7.59	0.0744	229	1	100	10
11/25/2014	9:10 PM	71.1	71.1	71	44	48.1	0	---	0	0	---	71.1	69.1	69.1	30.195	0	0	0	0.042	72.8	39	46.4	71.3	7.59	0.0744	229	1	100	10
11/25/2014	9:20 PM	71	71	71	44	48	0	---	0	0	---	71	69	69	30.201	0	0	0	0.042	72.6	39	46.2	71	7.6	0.0745	228	1	100	10
11/25/2014	9:30 PM	70.9	71	70.9	43	47.3	0	---	0	0	---	70.9	68.8	68.8	30.199	0	0	0	0.041	72.6	39	46.2	71	7.6	0.0745	227	1	99.6	10
11/25/2014	9:40 PM	70.8	70.9	70.8	43	47.2	0	---	0	0	---	70.8	68.6	68.6	30.194	0	0	0	0.04	72.4	39	46	70.6	7.6	0.0745	230	1	100	10
11/25/2014	9:50 PM	70.7	70.8	70.7	42	46.5	0	---	0	0	---	70.7	68.4	68.4	30.193	0	0	0	0.04	72.3	39	45.9	70.5	7.6	0.0745	225	1	98.7	10
11/25/2014	10:00 PM	70.6	70.7	70.6	42	46.4	0	---	0	0	---	70.6	68.3	68.3	30.192	0	0	0	0.039	72.1	38	45.1	70.1	7.47	0.0746	229	1	100	10
11/25/2014	10:10 PM	70.4	70.6	70.4	41	45.6	0	---	0	0	---	70.4	67.9	67.9	30.191	0	0	0	0.038	72.1	38	45.1	70.1	7.47	0.0746	226	1	99.1	10
11/25/2014	10:20 PM	70.4	70.5	70.3	41	45.6	0	---	0	0	---	70.4	67.9	67.9	30.195	0	0	0	0.038	71.9	38	44.9	69.8	7.47	0.0746	231	1	100	10
11/25/2014	10:30 PM	70.3	70.4	70.3	41	45.5	0	---	0	0	---	70.3	67.8	67.8	30.191	0	0	0	0.037	71.8	38	44.8	69.6	7.48	0.0746	226	1	99.1	10
11/25/2014	10:40 PM	70.2	70.3	70.1	40	44.7	0	---	0	0	---	70.2	67.6	67.6	30.189	0	0	0	0.036	71.8	37	44.1	69.5	7.31	0.0746	230	1	100	10
11/25/2014	10:50 PM	70.1	70.2	70	40	44.6	0	---	0	0	---	70.1	67.4	67.4	30.188	0	0	0	0.035	71.6	37	43.9	69.2	7.32	0.0746	227	1	99.6	10
11/25/2014	11:00 PM	69.9	70.1	69.9	40	44.5	0	---	0	0	---	69.9	67.2	67.2	30.184	0	0	0	0.034	71.4	37	43.8	68.9	7.32	0.0747	229	1	100	10
11/25/2014	11:10 PM	69.8	69.9	69.8	39	43.7	0	---	0	0	---	69.8	67.1	67.1	30.182	0	0	0	0.033	71.4	37	43.8	68.9	7.32	0.0747	230	1	100	10
11/25/2014	11:20 PM	69.7	69.8	69.7	39	43.6	0	---	0	0	---	69.7	67	67	30.179	0	0	0	0.033	71.3	37	43.7	68.8	7.32	0.0747	227	1	99.6	10
11/25/2014	11:30 PM	69.6	69.7	69.6	38	42.9	0	---	0	0	---	69.6	66.8	66.8	30.178	0	0	0	0.032	71.1	36	42.8	68.4	7.21	0.0747	228	1	100	10
11/25/2014	11:40 PM	69.5	69.6	69.5	38	42.8	0	---	0	0	---	69.5	66.8	66.8	30.174	0	0	0	0.031	71.1	36	42.8	68.4	7.21	0.0747	227	1	99.6	10
11/25/2014	11:50 PM	69.4	69.5	69.4	38	42.7	0	---	0	0	---	69.4	66.7	66.7	30.179	0	0	0	0.031	70.9	36	42.6	68.2	7.21	0.0748	229	1	100	10
11/26/2014	12:10 AM	69.2	69.3	69.2	37	41.8	0	---	0	0	---	69.2	66.4	66.4	30.179	0	0	0	0.029	70.7	35	41.7	67.8	7.04	0.0748	227	1	99.6	10
11/26/2014	12:20 AM	69	69.2	69	36	40.9	0	---	0	0	---	69	66.1	66.1	30.177	0	0	0	0.028	70.6	35	41.6	67.7	7.04	0.0748	226	1	99.1	10
11/26/2014	12:30 AM	69	69	68.9	36	40.9	0	---	0	0	---	69	66.1	66.1	30.173	0	0	0	0.028	70.4	35	41.4	67.4	7.04	0.0748	230	1	100	10
11/26/2014	12:40 AM	68.8	69	68.8	36	40.7	0	---	0	0	---	68.8	65.9	65.9	30.168	0	0	0	0.026	70.4	35	41.4	67.4	7.04	0.0748	227	1	99.6	10
11/26/2014	12:50 AM	68.7	68.8	68.7	36	40.7	0	---	0	0	---	68.7	65.8	65.8	30.163	0	0	0	0.026	70.2	34	40.5	67.1	6.85	0.0749	230	1	100	10
11/26/2014	1:00 AM	68.6	68.7	68.6	35	39.8	0	---	0	0	---	68.6	65.6	65.6	30.161	0	0	0	0.025	70.1	34	40.4	66.9	6.85	0.0749	227	1	99.6	10
11/26/2014	1:10 AM	68.5	68.6	68.5	35	39.8	0	---	0	0	---	68.5	65.5	65.5	30.156	0	0	0	0.024	70.1	34	40.4	66.9	6.85	0.0749	228	1	100	10
11/26/2014	1:20 AM	68.4	68.5	68.4	34	38.9	0	---	0	0	---	68.4	65.3	65.3	30.155	0	0	0	0.024	69.9	34	40.2	66.7	6.85	0.0749	228	1	100	10
11/26/2014	1:30 AM	68.3	68.4	68.3	34	38.8	0	---	0	0	---	68.3	65.2	65.2	30.152	0	0	0	0.023	69.7	33	39.3	66.4	6.66	0.0749	227	1	99.6	10
11/26/2014	1:40 AM	68.2	68.3	68.2	34	38.7	0	---	0	0	---	68.2	65.1	65.1	30.149	0	0	0	0.022	69.7	33	39.3	66.4	6.66	0.0749	230	1	100	10
11/26/2014	1:50 AM	68.1	68.2	68.1	34	38.7	0	---	0	0	---	68.1	65	65	30.147	0	0	0	0.022	69.6	33	39.2	66.3	6.66	0.0749	226	1	99.1	10
11/26/2014	2:00 AM	68	68.1	68	34	38.6	0	---	0	0	---	68	64.9	64.9	30.145	0	0	0	0.021	69.4	33	39	66.1	6.66	0.075	231	1	100	10
11/26/2014	2:10 AM	67.9	68	67.9	34	38.5	0	---	0	0	---	67.9	64.8	64.8	30.144	0	0	0	0.02	69.4	33	39	66.1	6.66	0.075	226	1	99.1	10
11/26/2014	2:20 AM	67.8	67.9	67.8	33	37.6	0	---	0	0	---	67.8	64.5	64.5	30.141	0	0	0	0.019	69.2	32	38.1	65.8	6.55	0.075	229	1	100	10
11/26/2014	2:30 AM	67.7	67.8	67.7	33	37.5	0	---	0	0	---	67.7	64.4	64.4	30.145	0	0	0	0.019	69.2	32	38.1	65.8	6.55	0.075	227	1	99.6	10
11/26/2014	2:40 AM	67.6	67.7	67.6	33	37.5	0	---	0	0	---	67.6	64.3	64.3	30.144	0	0	0	0.018	69.1	32	38	65.7	6.55	0.075	228	1	100	10
11/26/2014	2:50 AM	67.5	67.6	67.5	33	37.4	0	---	0	0	---	67.5	64.2	64.2	30.143	0	0	0	0.017	68.9	32	37.8	65.5	6.55	0.0751	224	1	98.2	10
11/26/2014	3:00 AM	67.4	67.5	67.4	33	37.3	0	---	0	0	---	67.4	64.1	64.1	30.145	0	0	0	0.017	68.9	32	37.8	65.5	6.55	0.0751	227	1	99.6	10
11/26/2014	3:10 AM	67.3	67.4	67.3	33	37.2	0	---	0	0	---	67.3	64	64	30.141	0	0	0	0.016	68.7	32	37.6	65.3	6.55	0.0751	229	1	100	10
11/26/2014	3:20 AM	67.2	67.3	67.2	33	37.1	0	---	0	0	---	67.2	63.9	63.9	30.144	0	0	0	0.015	68.7	32	37.6	65.3	6.55	0.0751	227	1	99.6	10
11/26/2014	3:30 AM	67.1	67.2	67.1	32	36.2	0	---	0	0	---	67.1	63.7	63.7	30.141	0	0	0	0.015	68.6	31	36.7	65.1	6.38	0.0751	227	1	99.6	10
11/26/2014	3:40 AM	67	67.1	67	32	36.1	0	---	0	0	---	67	63.6	63.6	30.136	0	0	0	0.014	68.6	31	36.7	65.1	6.38	0.0751	229	1	100	10
11/26/2014	3:50 AM	66.9	67	66.9	32	36.1	0	---	0	0	---	66.9	63.5	63.5	30.133	0	0	0	0.013	68.4	31	36.6	64.9	6.38	0.0751	228	1	100	10
11/26/2014	4:00 AM	66.8	66.9	66.8	32	36	0	---	0	0	---	66.8	63.4	63.4	30.132	0	0	0	0.013	68.4	31	36.6	64.9	6.38	0.0751	227	1	99.6	10
11/26/2014	4:10 AM	66.7	66.8	66.7	32	35.9	0	---	0	0	---	66.7	63.3	63.3	30.128	0	0	0	0.012	68.3	31	36.5	64.8	6.38	0.0751	229	1	100	10
11/26/2014	4:20 AM	66.6	66.7	66.6	32	35.8	0	---	0	0	---	66.6	63.2	63.2	30.129	0	0	0	0.011	68.1	31	36.3	64.6	6.39	0.0752	225	1	98.7	10
11/26/2014	4:30 AM	66.5	66.6	66.5	32	35.7	0	---	0	0	---	66.5	63.1	63.1	30.123	0	0	0	0.01	68.1	31	36.3	64.6	6.39	0.0752	230	1	100	10
11/26/2014	4:40 AM	66.4	66.6	66.4	32	35.6	0	---	0	0	---	66.4	63	63	30.125	0	0	0	0.01	67.9	31	36.1	64.4	6.39	0.0752	228	1	100	10
11/26/2014	4:50 AM	66.3	66.5	66.3	32	35.5	0	---	0	0	---	66.3	62.9	62.9	30.131	0	0	0	0.009	67.9	31	36.1	64.4	6.39	0.0752	230	1	100	10
11/26/2014	5:00 AM	66.3	66.4	66.3	32	35.5	0	---	0	0	---	66.3	62.9	62.9	30.131	0	0	0	0.009	67.8	31	36	64.3	6.39	0.0752	227	1	99.6	10
11/26/2014	5:10 AM	66.2	66.3	66.1	32	35.4	0	---	0	0	---	66.2	62.8	62.8	30.128	0	0	0	0.008	67.8	31	36	64.3	6.39	0.0752	228	1	100	10
11/26/2014	5:20 AM	66.1	66.2	66.1	32	35.4	0	---	0	0	---	66.1	62.7	62.7	30.126	0	0	0	0.008	67.6	31	35.9	64.1	6.4	0.0753	229	1	100	10
11/26/2014	5:30 AM	66	66.1	66	33	36.1	0	---	0	0	---	66	62.7	62.7	30.123	0	0	0	0.007	67.6	31	35.9	64.1	6.4	0.0752	225	1	98.7	10
11/26/2014	5:40 AM	65.9	66	65.9	31	34.4	0	---	0	0	---	65.9	62.4	62.4	30.126	0	0	0	0.006	67.5	31	35.8	64	6.4	0.0753	233	1	100	10
11/26/2014	5:50 AM	65.8	65.9	65.8	29	32.6	0	---	0	0	---	65.8	62	62	30.126	0	0	0	0.006	67.3	30	34.8	63.7	6.25	0.0753	225	1	98.7	10
11/26/2014	6:00 AM	65.6	65.8	65.6	29	32.5	0	---	0	0	---	65.6	61.8	61.8	30.127	0	0	0	0.004	67	29	33.7	63.2	6.11	0.0754	228	1	100	10
11/26/2014	6:10 AM	65.4	65.6	65.4	29	32.3	0	---	0	0	---	65.4	61.5	61.5	30.13	0	0	0	0.003	66.6	29	33.3	62.8	6.12	0.0755	227	1	99.6	10
11/26/2014	6:20 AM	65.1	65.4	65.1	29	32	0	---	0	0	---	65.1	61.2	61.2	30.13	0	0	0	0.001	66.3	29	33.1	62.5	6.12	0.0755	230	1	100	10
11/26/2014	6:30 AM	64.9	65.1	64.9	29	31.9	0	ESE	0	1	ESE	64.9	61	61	30.13	0	0	0	0.001	66.2	29	33	62.4	6.13	0.0755	227	1	99.6	10
11/26/2014	6:40 AM	62.5	64.9	62.5	30	30.6	0	SSW	0	1	SSW	62.5	58.8	58.8	30.134	0.04	2.47	0.017	0	64.6	29	31.6	60.7	6.15	0.0758	225	1	98.7	10
11/26/2014	6:50 AM	59	62.5	59	35	31.4	0	---	0	0	---	59	55.9	55.9	30.14	0	0.04	0.042	0	63	30	31	59.3	6.29	0.076	228	1	100	10
11/26/2014	7:00 AM	56.8	59	56.8	40	32.7	0	---	0	0	---	56.8	54.3	54.3	30.137	0	0	0.057	0	62	32	31.8	58.6	6.61	0.0762	228	1	100	10
11/26/2014	7:10 AM	56	56.8	55.9	41	32.6	0	---	0	0	---	56	53.6	53.6	30.138	0	0	0.063	0	61.4	33	32	58	6.82	0.0763	225	1	98.7	10
11/26/2014	7:20 AM	56.2	56.2	55.9	39	31.5	0	---	0	0	---	56.2	53.6	53.6	30.144	0	0	0.061	0	61.1	33	31.8	57.7	6.83	0.0763	226	1	99.1	10
11/26/2014	7:30 AM	57.5	57.5	56.2	36	30.7	0	---	0	0	---	57.5	54.6	54.6	30.143	0	0	0.052	0	61	33	31.7	57.6	6.83	0.0763	229	1	100	10
11/26/2014	7:40 AM	59.4	59.4	57.6	34	31	0	---	0	0	---	59.4	56.2	56.2	30.143	0	0	0.039	0	61.1	32	31	57.7	6.63	0.0763	226	1	99.1	10
11/26/2014	7:50 AM	61.6	61.6	59.5	31	30.6	0	---	0	0	---	61.6	58.1	58.1	30.142	0	0	0.024	0	61.4	32	31.3	58	6.62	0.0763	230	1	100	10
11/26/2014	8:00 AM	63.5	63.5	61.6	28	29.8	0	---	0	0	---	63.5	59.5	59.5	30.144	0	0	0.01	0	61.7	32	31.5	58.3	6.62	0.0762	228	1	100	10
11/26/2014	8:10 AM	65.4	65.4	63.5	26	29.6	0	---	0	0	---	65.4	61	61	30.148	0	0	0	0.003	62	32	31.8	58.6	6.61	0.0762	228	1	100	10
11/26/2014	8:20 AM	67.9	67.9	65.5	24	29.7	0	---	0	0	---	67.9	63.5	63.5	30.148	0	0	0	0.02	62.2	32	32	58.7	6.61	0.0762	228	1	100	10
11/26/2014	8:30 AM	69	69	68	23	29.6	0	---	0	0	---	69	64.6	64.6	30.149	0	0	0	0.028	62.4	31	31.3	58.8	6.5	0.0761	229	1	100	10
11/26/2014	8:40 AM	70.7	70.7	69	22	30	0	---	0	0	---	70.7	66.6	66.6	30.148	0	0	0	0.04	62.7	31	31.6	59.1	6.5	0.0761	226	1	99.1	10
11/26/2014	8:50 AM	72.2	72.2	70.8	24	33.4	0	---	0	0	---	72.2	68.8	68.8	30.156	0	0	0	0.05	63	31	31.9	59.4	6.49	0.0761	227	1	99.6	10
11/26/2014	9:00 AM	73.9	73.9	72.2	21	31.5	0	---	0	0	---	73.9	71	71	30.154	0	0	0	0.062	63.5	32	33.1	60	6.58	0.076	230	1	100	10
11/26/2014	9:10 AM	74.4	74.6	73.9	21	31.9	0	---	0	0	---	74.4	71.7	71.7	30.157	0	0	0	0.065	63.9	32	33.4	60.4	6.57	0.0759	223	1	97.8	10
11/26/2014	9:20 AM	74.9	74.9	74.3	21	32.3	0	---	0	0	---	74.9	72.4	72.4	30.156	0	0	0	0.069	64.4	31	33.1	60.8	6.46	0.0758	224	1	98.2	10
11/26/2014	9:30 AM	75	75.2	74.9	20	31.2	0	---	0	0	---	75	72.5	72.5	30.155	0	0	0	0.069	64.9	31	33.5	61.3	6.45	0.0758	226	1	99.1	10
11/26/2014	9:40 AM	75.7	75.7	75	21	33	0	---	0	0	---	75.7	73.7	73.7	30.161	0	0	0	0.074	65.3	30	33	61.6	6.25	0.0757	228	1	100	10
11/26/2014	9:50 AM	76	76	75.7	22	34.4	0	---	0	0	---	76	74.2	74.2	30.153	0	0	0	0.076	66	31	34.5	62.5	6.43	0.0756	228	1	100	10
11/26/2014	10:00 AM	75.8	75.9	75.8	24	36.4	0	---	0	0	---	75.8	74	74	30.148	0	0	0	0.075	66.6	31	35	63.1	6.42	0.0755	231	1	100	10
11/26/2014	10:10 AM	76	76	75.7	23	35.5	0	---	0	0	---	76	74.2	74.2	30.149	0	0	0	0.076	67.1	31	35.4	63.6	6.41	0.0754	227	1	99.6	10
11/26/2014	10:20 AM	76.7	76.7	76	20	32.6	0	---	0	0	---	76.7	75.1	75.1	30.144	0	0	0	0.081	67.6	31	35.9	64.1	6.4	0.0753	229	1	100	10
11/26/2014	10:30 AM	76	76.8	76	21	33.2	0	---	0	0	---	76	74.1	74.1	30.144	0	0	0	0.076	68.3	29	34.8	64.6	6.08	0.0752	225	1	98.7	10
11/26/2014	10:40 AM	75.4	76	75.3	23	35	0	---	0	0	---	75.4	73.3	73.3	30.139	0	0	0	0.072	68.6	30	35.9	65	6.25	0.0751	229	1	100	10
11/26/2014	10:50 AM	75.7	75.7	75.4	20	31.8	0	---	0	0	---	75.7	73.6	73.6	30.133	0	0	0	0.074	68.9	30	36.2	65.3	6.25	0.0751	227	1	99.6	10
11/26/2014	11:00 AM	76.1	76.5	75.7	19	30.8	0	---	0	0	---	76.1	74.1	74.1	30.124	0	0	0	0.077	69.4	29	35.7	65.7	6.06	0.075	231	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/26/2014	11:10 AM	75.8	76.1	75.6	20	31.8	0	NNW	0	1	NNW	75.8	73.8	73.8	30.123	0	0	0	0.075	69.6	28	35	65.8	5.95	0.075	225	1	98.7	10
11/26/2014	11:20 AM	76.4	76.4	75.8	19	31.1	0	---	0	0	---	76.4	74.6	74.6	30.122	0	0	0	0.079	69.9	28	35.3	66.1	5.95	0.0749	231	1	100	10
11/26/2014	11:30 AM	76.8	76.8	76.4	16	27.2	0	NNW	0	3	NNW	76.8	74.9	74.9	30.115	0	0	0	0.082	70.2	27	34.6	66.4	5.84	0.0749	228	1	100	10
11/26/2014	11:40 AM	77.6	77.6	76.8	15	26.3	0	---	0	0	---	77.6	75.3	75.3	30.104	0	0	0	0.087	70.7	26	34.1	67	5.62	0.0748	228	1	100	10
11/26/2014	11:50 AM	77.8	77.8	77.6	14	24.8	0	NNW	0	2	NNW	77.8	75.2	75.2	30.102	0	0	0	0.089	71.1	25	33.5	67.4	5.48	0.0747	226	1	99.1	10
11/26/2014	12:00 PM	78.5	78.6	77.9	14	25.3	0	NNW	0	2	NNW	78.5	75.4	75.4	30.097	0	0	0	0.094	71.4	25	33.7	67.8	5.47	0.0747	227	1	99.6	10
11/26/2014	12:10 PM	78.3	78.5	78.3	13	23.4	0	N	0	2	N	78.3	75.2	75.2	30.09	0	0	0	0.092	71.9	24	33.1	68.4	5.27	0.0746	228	1	100	10
11/26/2014	12:20 PM	78.2	78.2	78	13	23.3	0	NNW	0	3	NNW	78.2	75.1	75.1	30.083	0	0	0	0.092	72.3	23	32.4	68.9	5.1	0.0745	226	1	99.1	10
11/26/2014	12:30 PM	78.7	78.7	78.2	12	21.8	0	NNW	0	4	NNE	78.7	75.2	75.2	30.083	0	0	0	0.095	72.4	22	31.4	68.9	4.9	0.0746	229	1	100	10
11/26/2014	12:40 PM	78.6	78.7	78.6	12	21.7	0	NNW	0	6	N	78.6	75.1	75.1	30.077	0	0	0	0.094	72.8	22	31.7	69.6	4.89	0.0745	226	1	99.1	10
11/26/2014	12:50 PM	78.2	78.6	78.2	14	25.1	1	NNW	0.17	5	NNW	78.2	75.3	75.3	30.072	0	0	0	0.092	73.1	22	32	70	4.89	0.0744	228	1	100	10
11/26/2014	1:00 PM	78.2	78.3	78.1	15	26.7	0	NNW	0	4	N	78.2	75.4	75.4	30.069	0	0	0	0.092	73.3	22	32.1	70.3	4.88	0.0744	225	1	98.7	10
11/26/2014	1:10 PM	78	78.2	77.9	15	26.6	1	NNW	0.17	5	NNW	78	75.4	75.4	30.069	0	0	0	0.09	73.5	22	32.3	70.6	4.88	0.0743	228	1	100	10
11/26/2014	1:20 PM	78.4	78.5	78	15	26.9	0	NW	0	4	NNW	78.4	75.5	75.5	30.061	0	0	0	0.093	73.8	22	32.6	71	4.87	0.0743	225	1	98.7	10
11/26/2014	1:30 PM	78.7	78.7	78.4	15	27.1	0	NNW	0	4	N	78.7	75.5	75.5	30.061	0	0	0	0.095	74	23	33.8	71.4	5.07	0.0742	229	1	100	10
11/26/2014	1:40 PM	78.1	78.7	78.1	16	28.2	1	NNW	0.17	4	N	78.1	75.5	75.5	30.057	0	0	0	0.091	74.3	23	34.1	71.8	5.06	0.0742	223	1	97.8	10
11/26/2014	1:50 PM	77.8	78.1	77.8	18	30.9	1	NNW	0.17	3	NNW	77.8	75.6	75.6	30.054	0	0	0	0.089	74.3	23	34.1	71.8	5.06	0.0742	229	1	100	10
11/26/2014	2:00 PM	77.3	77.8	77.3	20	33.1	0	NNW	0	4	NNW	77.3	75.6	75.6	30.052	0	0	0	0.085	74.5	24	35.3	72.2	5.17	0.0741	227	1	99.6	10
11/26/2014	2:10 PM	77.2	77.3	77.2	20	33	0	NNW	0	4	NNW	77.2	75.6	75.6	30.049	0	0	0	0.085	74.7	24	35.5	72.4	5.16	0.0741	229	1	100	10
11/26/2014	2:20 PM	76.5	77.1	76.5	20	32.4	1	NNW	0.17	4	NNW	76.5	74.8	74.8	30.051	0	0	0	0.08	74.8	25	36.6	72.7	5.26	0.074	227	1	99.6	10
11/26/2014	2:30 PM	75.8	76.5	75.8	20	31.8	1	NNW	0.17	5	NNW	75.8	73.8	73.8	30.05	0	0	0	0.075	74.8	24	35.6	72.6	5.16	0.0741	228	1	100	10
11/26/2014	2:40 PM	75.4	75.8	75.3	24	36.1	0	NNW	0	3	WNW	75.4	73.4	73.4	30.051	0	0	0	0.072	74.8	25	36.6	72.7	5.26	0.074	229	1	100	10
11/26/2014	2:50 PM	75.5	75.5	75.4	24	36.2	0	NNE	0	2	NNE	75.5	73.5	73.5	30.049	0	0	0	0.073	74.8	26	37.6	72.7	5.46	0.074	226	1	99.1	10
11/26/2014	3:00 PM	75.6	75.6	75.4	27	39.2	0	---	0	0	---	75.6	73.9	73.9	30.045	0	0	0	0.074	74.8	27	38.6	72.8	5.56	0.074	229	1	100	10
11/26/2014	3:10 PM	76.2	76.2	75.6	26	38.8	0	---	0	0	---	76.2	74.6	74.6	30.045	0	0	0	0.078	74.8	28	39.5	72.9	5.66	0.074	227	1	99.6	10
11/26/2014	3:20 PM	76.2	76.3	76.1	27	39.8	0	---	0	0	---	76.2	74.7	74.7	30.048	0	0	0	0.078	75	28	39.7	73.1	5.65	0.0739	229	1	100	10
11/26/2014	3:30 PM	75.8	76.1	75.8	29	41.3	0	N	0	6	NNW	75.8	74.2	74.2	30.049	0	0	0	0.075	75	28	39.7	73.1	5.65	0.0739	224	1	98.2	10
11/26/2014	3:40 PM	75.8	75.8	75.8	29	41.3	0	---	0	0	---	75.8	74.2	74.2	30.041	0	0	0	0.075	75.7	29	41.2	74.1	5.85	0.0738	230	1	100	10
11/26/2014	3:50 PM	75.7	75.8	75.7	30	42.1	0	---	0	0	---	75.7	74.1	74.1	30.039	0	0	0	0.074	75.9	29	41.3	74.3	5.85	0.0737	226	1	99.1	10
11/26/2014	4:00 PM	75.3	75.7	75.3	30	41.7	0	---	0	0	---	75.3	73.7	73.7	30.039	0	0	0	0.072	75.7	29	41.2	74.1	5.85	0.0738	229	1	100	10
11/26/2014	4:10 PM	74.8	75.3	74.8	30	41.3	0	---	0	0	---	74.8	73.1	73.1	30.039	0	0	0	0.068	75.3	29	40.8	73.6	5.85	0.0738	226	1	99.1	10
11/26/2014	4:20 PM	74.4	74.8	74.4	30	40.9	0	---	0	0	---	74.4	72.7	72.7	30.042	0	0	0	0.065	75.2	29	40.7	73.5	5.85	0.0739	232	1	100	10
11/26/2014	4:30 PM	74	74.4	74	31	41.4	0	---	0	0	---	74	72.4	72.4	30.044	0	0	0	0.063	74.8	29	40.4	73	5.86	0.0739	227	1	99.6	10
11/26/2014	4:40 PM	73.7	74	73.7	31	41.2	0	---	0	0	---	73.7	71.9	71.9	30.04	0	0	0	0.06	74.7	30	41.2	73	6.06	0.0739	230	1	100	10
11/26/2014	4:50 PM	73.4	73.7	73.4	32	41.7	0	---	0	0	---	73.4	71.5	71.5	30.039	0	0	0	0.058	74.5	30	41	72.8	6.07	0.0739	228	1	100	10
11/26/2014	5:00 PM	73.1	73.4	73.1	32	41.5	0	---	0	0	---	73.1	71.1	71.1	30.037	0	0	0	0.056	74.3	30	40.8	72.6	6.08	0.074	228	1	100	10
11/26/2014	5:10 PM	73	73.2	73	33	42.2	0	---	0	0	---	73	71	71	30.038	0	0	0	0.056	74.3	30	40.8	72.6	6.08	0.074	228	1	100	10
11/26/2014	5:20 PM	72.8	73	72.8	33	42	0	---	0	0	---	72.8	70.7	70.7	30.034	0	0	0	0.054	74.1	30	40.7	72.4	6.09	0.074	229	1	100	10
11/26/2014	5:30 PM	72.6	72.8	72.6	33	41.8	0	---	0	0	---	72.6	70.4	70.4	30.036	0	0	0	0.053	74.1	31	41.5	72.5	6.27	0.074	230	1	100	10
11/26/2014	5:40 PM	72.6	72.7	72.6	34	42.6	0	---	0	0	---	72.6	70.5	70.5	30.037	0	0	0	0.053	74	31	41.4	72.4	6.27	0.074	227	1	99.6	10
11/26/2014	5:50 PM	72.5	72.6	72.4	35	43.3	0	---	0	0	---	72.5	70.4	70.4	30.036	0	0	0	0.052	74	31	41.4	72.4	6.27	0.074	229	1	100	10
11/26/2014	6:00 PM	72.4	72.5	72.4	35	43.2	0	---	0	0	---	72.4	70.2	70.2	30.035	0	0	0	0.051	74	31	41.4	72.4	6.27	0.074	227	1	99.6	10
11/26/2014	6:10 PM	72.3	72.4	72.3	36	43.8	0	---	0	0	---	72.3	70.2	70.2	30.035	0	0	0	0.051	73.8	32	42.1	72.1	6.47	0.074	229	1	100	10
11/26/2014	6:20 PM	72.3	72.3	72.2	36	43.8	0	---	0	0	---	72.3	70.2	70.2	30.038	0	0	0	0.051	73.8	32	42.1	72.1	6.47	0.074	228	1	100	10
11/26/2014	6:30 PM	72.2	72.2	72.2	37	44.5	0	---	0	0	---	72.2	70.1	70.1	30.04	0	0	0	0.05	73.8	33	42.9	72.2	6.57	0.074	228	1	100	10
11/26/2014	6:40 PM	72.1	72.2	72.1	37	44.4	0	---	0	0	---	72.1	70	70	30.042	0	0	0	0.049	73.8	33	42.9	72.2	6.57	0.074	228	1	100	10
11/26/2014	6:50 PM	72.1	72.1	72.1	38	45.1	0	---	0	0	---	72.1	70.1	70.1	30.046	0	0	0	0.049	73.6	33	42.7	71.9	6.58	0.074	229	1	100	10
11/26/2014	7:00 PM	72	72.1	72	38	45	0	---	0	0	---	72	69.9	69.9	30.047	0	0	0	0.049	73.6	33	42.7	71.9	6.58	0.074	227	1	99.6	10
11/26/2014	7:10 PM	72	72	71.9	39	45.7	0	---	0	0	---	72	70	70	30.045	0	0	0	0.049	73.6	34	43.5	72	6.78	0.074	231	1	100	10
11/26/2014	7:20 PM	71.9	72	71.9	39	45.6	0	---	0	0	---	71.9	69.9	69.9	30.043	0	0	0	0.048	73.5	34	43.4	71.9	6.78	0.074	228	1	100	10
11/26/2014	7:30 PM	71.9	71.9	71.8	40	46.3	0	---	0	0	---	71.9	69.9	69.9	30.043	0	0	0	0.048	73.5	34	43.4	71.9	6.78	0.074	230	1	100	10
11/26/2014	7:40 PM	71.8	71.9	71.8	40	46.2	0	---	0	0	---	71.8	69.8	69.8	30.041	0	0	0	0.047	73.5	35	44.2	71.9	6.98	0.074	228	1	100	10
11/26/2014	7:50 PM	71.7	71.8	71.7	40	46.1	0	---	0	0	---	71.7	69.6	69.6	30.042	0	0	0	0.047	73.5	35	44.2	71.9	6.98	0.074	228	1	100	10
11/26/2014	8:00 PM	71.7	71.8	71.7	40	46.1	0	---	0	0	---	71.7	69.6	69.6	30.043	0	0	0	0.047	73.3	35	44	71.7	6.98	0.074	229	1	100	10
11/26/2014	8:10 PM	71.6	71.7	71.6	41	46.6	0	---	0	0	---	71.6	69.6	69.6	30.048	0	0	0	0.046	73.3	36	44.7	71.7	7.12	0.074	227	1	99.6	10
11/26/2014	8:20 PM	71.5	71.6	71.5	41	46.6	0	---	0	0	---	71.5	69.4	69.4	30.048	0	0	0	0.045	73.1	36	44.5	71.4	7.13	0.0741	229	1	100	10
11/26/2014	8:30 PM	71.5	71.6	71.5	42	47.2	0	---	0	0	---	71.5	69.5	69.5	30.046	0	0	0	0.045	73.1	36	44.5	71.4	7.13	0.0741	227	1	99.6	10
11/26/2014	8:40 PM	71.4	71.5	71.4	42	47.1	0	---	0	0	---	71.4	69.4	69.4	30.046	0	0	0	0.044	73.1	37	45.3	71.5	7.29	0.074	229	1	100	10
11/26/2014	8:50 PM	71.3	71.4	71.3	43	47.6	0	---	0	0	---	71.3	69.4	69.4	30.044	0	0	0	0.044	72.9	37	45.1	71.2	7.29	0.0741	229	1	100	10
11/26/2014	9:00 PM	71.3	71.3	71.3	43	47.6	0	---	0	0	---	71.3	69.4	69.4	30.049	0	0	0	0.044	72.9	37	45.1	71.2	7.29	0.0741	229	1	100	10
11/26/2014	9:10 PM	71.2	71.3	71.2	43	47.6	0	---	0	0	---	71.2	69.2	69.2	30.05	0	0	0	0.043	72.8	38	45.7	71.2	7.44	0.0741	226	1	99.1	10
11/26/2014	9:20 PM	71.1	71.2	71.1	44	48.1	0	---	0	0	---	71.1	69.1	69.1	30.048	0	0	0	0.042	72.8	38	45.7	71.2	7.44	0.0741	229	1	100	10
11/26/2014	9:30 PM	71	71.1	71	44	48	0	---	0	0	---	71	69	69	30.045	0	0	0	0.042	72.6	38	45.5	70.9	7.45	0.0741	226	1	99.1	10
11/26/2014	9:40 PM	71	71.1	71	44	48	0	---	0	0	---	71	69	69	30.044	0	0	0	0.042	72.6	38	45.5	70.9	7.45	0.0741	231	1	100	10
11/26/2014	9:50 PM	70.9	71	70.9	44	47.9	0	---	0	0	---	70.9	68.9	68.9	30.042	0	0	0	0.041	72.4	38	45.4	70.5	7.45	0.0741	227	1	99.6	10
11/26/2014	10:00 PM	70.8	70.9	70.8	44	47.8	0	---	0	0	---	70.8	68.7	68.7	30.043	0	0	0	0.04	72.4	39	46	70.6	7.6	0.0741	228	1	100	10
11/26/2014	10:10 PM	70.7	70.8	70.7	44	47.7	0	---	0	0	---	70.7	68.6	68.6	30.045	0	0	0	0.04	72.3	39	45.9	70.5	7.6	0.0741	228	1	100	10
11/26/2014	10:20 PM	70.6	70.7	70.6	44	47.6	0	---	0	0	---	70.6	68.5	68.5	30.042	0	0	0	0.039	72.3	39	45.9	70.5	7.6	0.0741	229	1	100	10
11/26/2014	10:30 PM	70.5	70.6	70.5	44	47.5	0	---	0	0	---	70.5	68.4	68.4	30.041	0	0	0	0.038	72.1	39	45.8	70.2	7.61	0.0742	229	1	100	10
11/26/2014	10:40 PM	70.4	70.5	70.4	43	46.8	0	---	0	0	---	70.4	68.1	68.1	30.041	0	0	0	0.038	71.9	39	45.6	69.9	7.61	0.0742	227	1	99.6	10
11/26/2014	10:50 PM	70.3	70.4	70.3	43	46.7	0	---	0	0	---	70.3	68	68	30.041	0	0	0	0.037	71.9	39	45.6	69.9	7.61	0.0742	231	1	100	10
11/26/2014	11:00 PM	70.2	70.3	70.2	42	46	0	---	0	0	---	70.2	67.8	67.8	30.039	0	0	0	0.036	71.8	38	44.8	69.6	7.48	0.0742	226	1	99.1	10
11/26/2014	11:10 PM	70	70.2	70	42	45.8	0	---	0	0	---	70	67.5	67.5	30.039	0	0	0	0.035	71.6	38	44.6	69.3	7.49	0.0743	230	1	100	10
11/26/2014	11:20 PM	69.9	70.1	69.9	42	45.8	0	---	0	0	---	69.9	67.4	67.4	30.041	0	0	0	0.034	71.4	38	44.5	69	7.49	0.0743	225	1	98.7	10
11/26/2014	11:30 PM	69.8	69.9	69.8	41	45	0	---	0	0	---	69.8	67.3	67.3	30.037	0	0	0	0.033	71.4	38	44.5	69	7.49	0.0743	228	1	100	10
11/26/2014	11:40 PM	69.7	69.9	69.7	41	44.9	0	---	0	0	---	69.7	67.2	67.2	30.034	0	0	0	0.033	71.3	38	44.4	68.9	7.5	0.0743	229	1	100	10
11/26/2014	11:50 PM	69.6	69.7	69.6	41	44.8	0	---	0	0	---	69.6	67.1	67.1	30.033	0	0	0	0.032	71.1	38	44.2	68.6	7.51	0.0743	228	1	100	10
11/27/2014	12:10 AM	69.4	69.5	69.4	40	44	0	---	0	0	---	69.4	66.9	66.9	30.026	0	0	0	0.031	70.9	37	43.3	68.2	7.33	0.0744	225	1	98.7	10
11/27/2014	12:20 AM	69.3	69.4	69.3	39	43.3	0	---	0	0	---	69.3	66.7	66.7	30.024	0	0	0	0.03	70.7	37	43.1	68	7.34	0.0744	228	1	100	10
11/27/2014	12:30 AM	69.2	69.3	69.2	39	43.2	0	---	0	0	---	69.2	66.6	66.6	30.026	0	0	0	0.029	70.7	37	43.1	68	7.34	0.0744	229	1	100	10
11/27/2014	12:40 AM	69.1	69.2	69.1	39	43.1	0	---	0	0	---	69.1	66.6	66.6	30.026	0	0	0	0.028	70.6	36	42.3	67.8	7.23	0.0744	230	1	100	10
11/27/2014	12:50 AM	69	69.1	69	38	42.3	0	---	0	0	---	69	66.4	66.4	30.024	0	0	0	0.028	70.6	36	42.3	67.8	7.23	0.0744	228	1	100	10
11/27/2014	1:00 AM	68.9	69	68.9	38	42.2	0	---	0	0	---	68.9	66.3	66.3	30.021	0	0	0	0.027	70.4	36	42.2	67.5	7.23	0.0744	229	1	100	10
11/27/2014	1:10 AM	68.8	68.9	68.8	38	42.1	0	---	0	0	---	68.8	66.2	66.2	30.018	0	0	0	0.026	70.2	36	42	67.2	7.24	0.0745	228	1	100	10
11/27/2014	1:20 AM	68.7	68.8	68.7	38	42.1	0	---	0	0	---	68.7	66.1	66.1	30.016	0	0	0	0.026	70.2	36	42	67.2	7.24	0.0745	227	1	99.6	10
11/27/2014	1:30 AM	68.6	68.7	68.6	38	42	0	---	0	0	---	68.6	66	66	30.014	0	0	0	0.025	70.1	35	41.2	67	7.05	0.0745	226	1	99.1	10
11/27/2014	1:40 AM	68.5	68.6	68.5	37	41.2	0	---	0	0	---	68.5	65.7	65.7	30.015	0	0	0	0.024	70.1	35	41.2	67	7.05	0.0745	228	1	100	10
11/27/2014	1:50 AM	68.4	68.5	68.4	37	41.1	0	---	0	0	---	68.4	65.6	65.6	30.011	0	0	0	0.024	69.9	35	41	66.8	7.05	0.0745	227	1	99.6	10
11/27/2014	2:00 AM	68.3	68.4	68.3	36	40.3	0	---	0	0	---	68.3	65.4	65.4	30.009	0	0	0	0.023	69.9	35	41	66.8	7.05	0.0745	229	1	100	10
11/27/2014	2:10 AM	68.2	68.3	68.2	36	40.2	0	---	0	0	---	68.2	65.3	65.3	30.009	0	0	0	0.022	69.7	35	40.8	66.6	7.05	0.0745	227	1	99.6	10
11/27/2014	2:20 AM	68.1	68.2	68.1	36	40.1	0	---	0	0	---	68.1	65.2	65.2	30.006	0	0	0	0.022	69.6	35	40.7	66.5	7.05	0.0746	228	1	100	10
11/27/2014	2:30 AM	68	68.1	68	35	39.3	0	---	0	0	---	68	65	65	30.001	0	0	0	0.021	69.6	34	40	66.4	6.85	0.0746	230	1	100	10
11/27/2014	2:40 AM	67.9	68	67.9	35	39.2	0	---	0	0	---	67.9	64.9	64.9	29.996	0	0	0	0.02	69.4	34	39.8	66.2	6.85	0.0746	226	1	99.1	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/27/2014	2:50 AM	67.8	67.9	67.8	35	39.1	0	---	0	0	---	67.8	64.8	64.8	29.994	0	0	0	0.019	69.4	34	39.8	66.2	6.85	0.0746	228	1	100	10
11/27/2014	3:00 AM	67.7	67.8	67.7	35	39	0	---	0	0	---	67.7	64.7	64.7	29.993	0	0	0	0.019	69.2	34	39.6	66.1	6.85	0.0746	227	1	99.6	10
11/27/2014	3:10 AM	67.6	67.7	67.6	35	39	0	---	0	0	---	67.6	64.6	64.6	29.989	0	0	0	0.018	69.2	34	39.6	66.1	6.85	0.0746	229	1	100	10
11/27/2014	3:20 AM	67.5	67.6	67.5	35	38.9	0	---	0	0	---	67.5	64.4	64.4	29.995	0	0	0	0.017	69.1	34	39.5	66	6.85	0.0746	228	1	100	10
11/27/2014	3:30 AM	67.4	67.5	67.4	34	38	0	---	0	0	---	67.4	64.2	64.2	29.994	0	0	0	0.017	69.1	33	38.8	65.9	6.67	0.0746	229	1	100	10
11/27/2014	3:40 AM	67.4	67.4	67.4	34	38	0	---	0	0	---	67.4	64.2	64.2	29.992	0	0	0	0.017	68.9	33	38.6	65.7	6.67	0.0747	227	1	99.6	10
11/27/2014	3:50 AM	67.3	67.4	67.3	34	38	0	---	0	0	---	67.3	64.1	64.1	29.993	0	0	0	0.016	68.9	33	38.6	65.7	6.67	0.0747	228	1	100	10
11/27/2014	4:00 AM	67.2	67.3	67.2	34	37.9	0	---	0	0	---	67.2	64	64	29.988	0	0	0	0.015	68.7	33	38.4	65.5	6.68	0.0747	226	1	99.1	10
11/27/2014	4:10 AM	67.1	67.2	67.1	33	37	0	---	0	0	---	67.1	63.8	63.8	29.987	0	0	0	0.015	68.7	33	38.4	65.5	6.68	0.0747	230	1	100	10
11/27/2014	4:20 AM	67	67.1	67	34	37.7	0	---	0	0	---	67	63.8	63.8	29.988	0	0	0	0.014	68.6	33	38.3	65.4	6.68	0.0747	227	1	99.6	10
11/27/2014	4:30 AM	67	67	66.9	33	36.9	0	---	0	0	---	67	63.7	63.7	29.987	0	0	0	0.014	68.6	33	38.3	65.4	6.68	0.0747	228	1	100	10
11/27/2014	4:40 AM	66.9	67	66.9	33	36.8	0	---	0	0	---	66.9	63.6	63.6	29.987	0	0	0	0.013	68.6	32	37.5	65.2	6.55	0.0747	230	1	100	10
11/27/2014	4:50 AM	66.8	66.9	66.8	33	36.8	0	---	0	0	---	66.8	63.5	63.5	29.989	0	0	0	0.013	68.4	32	37.4	65	6.55	0.0748	226	1	99.1	10
11/27/2014	5:00 AM	66.7	66.8	66.7	33	36.7	0	---	0	0	---	66.7	63.4	63.4	29.992	0	0	0	0.012	68.4	32	37.4	65	6.55	0.0748	232	1	100	10
11/27/2014	5:10 AM	66.7	66.7	66.7	33	36.7	0	---	0	0	---	66.7	63.4	63.4	29.995	0	0	0	0.012	68.3	32	37.3	64.9	6.55	0.0748	228	1	100	10
11/27/2014	5:20 AM	66.6	66.7	66.6	33	36.6	0	---	0	0	---	66.6	63.3	63.3	29.998	0	0	0	0.011	68.3	32	37.3	64.9	6.55	0.0748	230	1	100	10
11/27/2014	5:30 AM	66.5	66.6	66.5	33	36.5	0	---	0	0	---	66.5	63.2	63.2	29.999	0	0	0	0.01	68.3	32	37.3	64.9	6.55	0.0748	227	1	99.6	10
11/27/2014	5:40 AM	66.5	66.6	66.5	33	36.5	0	---	0	0	---	66.5	63.2	63.2	29.999	0	0	0	0.01	68.1	32	37.1	64.7	6.55	0.0748	232	1	100	10
11/27/2014	5:50 AM	66.4	66.5	66.4	33	36.4	0	---	0	0	---	66.4	63.1	63.1	30.001	0	0	0	0.01	68.1	32	37.1	64.7	6.55	0.0748	226	1	99.1	10
11/27/2014	6:00 AM	66.4	66.4	66.3	32	35.6	0	---	0	0	---	66.4	63	63	30.001	0	0	0	0.01	68.1	32	37.1	64.7	6.55	0.0748	229	1	100	10
11/27/2014	6:10 AM	66.3	66.3	66.3	32	35.5	0	---	0	0	---	66.3	62.9	62.9	30.002	0	0	0	0.009	67.9	32	36.9	64.5	6.55	0.0749	230	1	100	10
11/27/2014	6:20 AM	66.2	66.3	66.2	32	35.4	0	---	0	0	---	66.2	62.8	62.8	30.009	0	0	0	0.008	67.9	32	36.9	64.5	6.55	0.0749	226	1	99.1	10
11/27/2014	6:30 AM	66.2	66.2	66.1	32	35.4	0	---	0	0	---	66.2	62.8	62.8	30.009	0	0	0	0.008	67.9	32	36.9	64.5	6.55	0.0749	227	1	99.6	10
11/27/2014	6:40 AM	66.1	66.2	66.1	32	35.4	0	---	0	0	---	66.1	62.7	62.7	30.009	0	0	0	0.008	67.8	31	36	64.3	6.39	0.0749	227	1	99.6	10
11/27/2014	6:50 AM	66	66.1	66	32	35.3	0	---	0	0	---	66	62.6	62.6	30.01	0	0	0	0.007	67.8	31	36	64.3	6.39	0.0749	229	1	100	10
11/27/2014	7:00 AM	66	66	65.9	32	35.3	0	---	0	0	---	66	62.6	62.6	30.008	0	0	0	0.007	67.6	31	35.9	64.1	6.4	0.075	228	1	100	10
11/27/2014	7:10 AM	65.9	66	65.9	32	35.2	0	---	0	0	---	65.9	62.5	62.5	30.009	0	0	0	0.006	67.6	31	35.9	64.1	6.4	0.075	229	1	100	10
11/27/2014	7:20 AM	65.8	65.9	65.8	32	35.1	0	---	0	0	---	65.8	62.4	62.4	30.007	0	0	0	0.006	67.6	31	35.9	64.1	6.4	0.075	227	1	99.6	10
11/27/2014	7:30 AM	65.8	65.8	65.8	32	35.1	0	---	0	0	---	65.8	62.4	62.4	30.009	0	0	0	0.006	67.5	31	35.8	64	6.4	0.075	230	1	100	10
11/27/2014	7:40 AM	65.7	65.8	65.7	32	35	0	---	0	0	---	65.7	62.3	62.3	30.014	0	0	0	0.005	67.5	31	35.8	64	6.4	0.075	226	1	99.1	10
11/27/2014	7:50 AM	65.6	65.7	65.6	32	34.9	0	---	0	0	---	65.6	62.2	62.2	30.014	0	0	0	0.004	67.5	31	35.8	64	6.4	0.075	233	1	100	10
11/27/2014	8:00 AM	65.6	65.7	65.6	32	34.9	0	---	0	0	---	65.6	62.2	62.2	30.013	0	0	0	0.004	67.3	31	35.6	63.8	6.4	0.075	226	1	99.1	10
11/27/2014	8:10 AM	65.6	65.6	65.5	32	34.9	0	---	0	0	---	65.6	62.2	62.2	30.013	0	0	0	0.004	67.3	31	35.6	63.8	6.4	0.075	230	1	100	10
11/27/2014	8:20 AM	65.5	65.6	65.5	32	34.8	0	---	0	0	---	65.5	62.1	62.1	30.013	0	0	0	0.003	67.3	31	35.6	63.8	6.4	0.075	228	1	100	10
11/27/2014	8:30 AM	65.4	65.5	65.4	32	34.8	0	---	0	0	---	65.4	61.9	61.9	30.02	0	0	0	0.003	67.1	31	35.4	63.6	6.41	0.0751	227	1	99.6	10
11/27/2014	8:40 AM	65.4	65.4	65.4	32	34.8	0	---	0	0	---	65.4	61.9	61.9	30.019	0	0	0	0.003	67.1	31	35.4	63.6	6.41	0.0751	231	1	100	10
11/27/2014	8:50 AM	65.3	65.4	65.3	32	34.7	0	---	0	0	---	65.3	61.8	61.8	30.024	0	0	0	0.002	67.1	31	35.4	63.6	6.41	0.0751	227	1	99.6	10
11/27/2014	9:00 AM	65.3	65.3	65.2	32	34.7	0	---	0	0	---	65.3	61.8	61.8	30.023	0	0	0	0.002	67	31	35.3	63.5	6.41	0.0751	230	1	100	10
11/27/2014	9:10 AM	65.2	65.3	65.2	32	34.6	0	---	0	0	---	65.2	61.7	61.7	30.022	0	0	0	0.001	67	31	35.3	63.5	6.41	0.0751	226	1	99.1	10
11/27/2014	9:20 AM	65.2	65.2	65.2	32	34.6	0	---	0	0	---	65.2	61.7	61.7	30.02	0	0	0	0.001	67	31	35.3	63.5	6.41	0.0751	230	1	100	10
11/27/2014	9:30 AM	65.1	65.2	65.1	33	35.3	0	---	0	0	---	65.1	61.7	61.7	30.023	0	0	0	0.001	67	31	35.3	63.5	6.41	0.0751	225	1	98.7	10
11/27/2014	9:40 AM	65.1	65.1	65.1	33	35.3	0	---	0	0	---	65.1	61.7	61.7	30.022	0	0	0	0.001	67	31	35.3	63.5	6.41	0.0751	228	1	100	10
11/27/2014	9:50 AM	65	65.1	65	33	35.2	0	---	0	0	---	65	61.6	61.6	30.022	0	0	0	0	67	31	35.3	63.5	6.41	0.0751	228	1	100	10
11/27/2014	10:00 AM	65	65	65	33	35.2	0	---	0	0	---	65	61.6	61.6	30.023	0	0	0	0	66.8	31	35.2	63.3	6.41	0.0751	230	1	100	10
11/27/2014	10:10 AM	65	65	65	33	35.2	0	---	0	0	---	65	61.6	61.6	30.016	0	0	0	0	66.8	31	35.2	63.3	6.41	0.0751	229	1	100	10
11/27/2014	10:20 AM	65	65	65	33	35.2	0	---	0	0	---	65	61.6	61.6	30.013	0	0	0	0	66.8	31	35.2	63.3	6.41	0.0751	226	1	99.1	10
11/27/2014	10:30 AM	65	65	65	34	35.9	0	---	0	0	---	65	61.7	61.7	30.011	0	0	0	0	67	31	35.3	63.5	6.41	0.0751	228	1	100	10
11/27/2014	10:40 AM	65	65	65	34	35.9	0	---	0	0	---	65	61.7	61.7	30.006	0	0	0	0	67	32	36.1	63.6	6.55	0.075	227	1	99.6	10
11/27/2014	10:50 AM	65	65	65	35	36.7	0	---	0	0	---	65	61.8	61.8	30.002	0	0	0	0	67	32	36.1	63.6	6.55	0.075	227	1	99.6	10
11/27/2014	11:00 AM	65	65	65	35	36.7	0	---	0	0	---	65	61.8	61.8	29.999	0	0	0	0	67	32	36.1	63.6	6.55	0.075	228	1	100	10
11/27/2014	11:10 AM	65.1	65.1	65	36	37.5	0	---	0	0	---	65.1	62	62	29.993	0	0	0	0.001	67.1	32	36.2	63.7	6.55	0.075	229	1	100	10
11/27/2014	11:20 AM	65.1	65.1	65	36	37.5	0	---	0	0	---	65.1	62	62	29.989	0	0	0	0.001	67.1	32	36.2	63.7	6.55	0.075	224	1	98.2	10
11/27/2014	11:30 AM	65.2	65.2	65.1	36	37.6	0	---	0	0	---	65.2	62.1	62.1	29.986	0	0	0	0.001	67.3	33	37.2	64	6.7	0.0749	227	1	99.6	10
11/27/2014	11:40 AM	65.2	65.2	65.2	36	37.6	0	---	0	0	---	65.2	62.1	62.1	29.976	0	0	0	0.001	67.3	33	37.2	64	6.7	0.0749	227	1	99.6	10
11/27/2014	11:50 AM	65.3	65.3	65.2	37	38.3	0	---	0	0	---	65.3	62.4	62.4	29.973	0	0	0	0.002	67.5	33	37.4	64.2	6.7	0.0748	229	1	100	10
11/27/2014	12:00 PM	65.4	65.4	65.3	38	39.1	0	---	0	0	---	65.4	62.6	62.6	29.97	0	0	0	0.003	67.5	33	37.4	64.2	6.7	0.0748	229	1	100	10
11/27/2014	12:10 PM	65.4	65.5	65.4	38	39.1	0	---	0	0	---	65.4	62.6	62.6	29.965	0	0	0	0.003	67.6	33	37.5	64.3	6.7	0.0748	228	1	100	10
11/27/2014	12:20 PM	65.6	65.6	65.4	38	39.3	0	---	0	0	---	65.6	62.8	62.8	29.957	0	0	0	0.004	67.6	34	38.2	64.4	6.85	0.0748	230	1	100	10
11/27/2014	12:30 PM	65.6	65.7	65.5	38	39.3	0	---	0	0	---	65.6	62.8	62.8	29.954	0	0	0	0.004	67.8	34	38.4	64.7	6.85	0.0747	226	1	99.1	10
11/27/2014	12:40 PM	65.8	65.8	65.6	39	40.1	0	---	0	0	---	65.8	63.1	63.1	29.95	0	0	0	0.006	67.9	34	38.5	64.8	6.85	0.0747	230	1	100	10
11/27/2014	12:50 PM	65.9	65.9	65.8	39	40.2	0	---	0	0	---	65.9	63.2	63.2	29.948	0	0	0	0.006	68.1	34	38.7	65	6.85	0.0747	225	1	98.7	10
11/27/2014	1:00 PM	66.1	66.1	65.9	39	40.4	0	---	0	0	---	66.1	63.4	63.4	29.943	0	0	0	0.008	68.1	34	38.7	65	6.85	0.0747	231	1	100	10
11/27/2014	1:10 PM	66.2	66.2	66	40	41.2	0	---	0	0	---	66.2	63.6	63.6	29.94	0	0	0	0.008	68.3	35	39.6	65.3	7.05	0.0746	227	1	99.6	10
11/27/2014	1:20 PM	66.3	66.3	66.2	40	41.2	0	---	0	0	---	66.3	63.7	63.7	29.933	0	0	0	0.009	68.4	35	39.7	65.4	7.05	0.0746	230	1	100	10
11/27/2014	1:30 PM	66.5	66.5	66.3	40	41.4	0	---	0	0	---	66.5	64	64	29.931	0	0	0	0.01	68.6	35	39.8	65.6	7.05	0.0745	228	1	100	10
11/27/2014	1:40 PM	66.7	66.7	66.5	40	41.6	0	---	0	0	---	66.7	64.2	64.2	29.927	0	0	0	0.012	68.9	35	40.1	65.9	7.05	0.0745	228	1	100	10
11/27/2014	1:50 PM	66.8	66.9	66.7	40	41.7	0	---	0	0	---	66.8	64.3	64.3	29.925	0	0	0	0.013	69.1	35	40.3	66.1	7.05	0.0744	227	1	99.6	10
11/27/2014	2:00 PM	67.1	67.1	66.8	41	42.6	0	---	0	0	---	67.1	64.7	64.7	29.925	0	0	0	0.015	69.2	35	40.4	66.2	7.05	0.0744	227	1	99.6	10
11/27/2014	2:10 PM	67.3	67.3	67.1	41	42.8	0	---	0	0	---	67.3	65	65	29.922	0	0	0	0.016	69.4	36	41.3	66.5	7.24	0.0744	230	1	100	10
11/27/2014	2:20 PM	67.5	67.5	67.3	41	43	0	---	0	0	---	67.5	65.2	65.2	29.922	0	0	0	0.017	69.6	36	41.5	66.6	7.24	0.0743	227	1	99.6	10
11/27/2014	2:30 PM	67.7	67.7	67.5	42	43.8	0	---	0	0	---	67.7	65.5	65.5	29.921	0	0	0	0.019	69.9	36	41.7	66.9	7.25	0.0743	228	1	100	10
11/27/2014	2:40 PM	67.9	67.9	67.7	42	44	0	---	0	0	---	67.9	65.7	65.7	29.918	0	0	0	0.02	70.1	37	42.6	67.2	7.35	0.0742	227	1	99.6	10
11/27/2014	2:50 PM	68.2	68.2	67.9	42	44.2	0	---	0	0	---	68.2	66	66	29.915	0	0	0	0.022	70.2	37	42.7	67.3	7.35	0.0742	226	1	99.1	10
11/27/2014	3:00 PM	68.4	68.4	68.2	42	44.4	0	---	0	0	---	68.4	66.2	66.2	29.913	0	0	0	0.024	70.6	37	43.1	67.8	7.34	0.0741	226	1	99.1	10
11/27/2014	3:10 PM	68.6	68.6	68.4	43	45.2	0	---	0	0	---	68.6	66.5	66.5	29.918	0	0	0	0.025	70.7	37	43.1	68	7.34	0.0741	230	1	100	10
11/27/2014	3:20 PM	68.9	68.9	68.6	43	45.5	0	---	0	0	---	68.9	66.8	66.8	29.914	0	0	0	0.027	70.9	37	43.3	68.2	7.33	0.0741	226	1	99.1	10
11/27/2014	3:30 PM	69.1	69.1	68.9	43	45.7	0	---	0	0	---	69.1	67	67	29.916	0	0	0	0.028	71.3	37	43.7	68.8	7.32	0.074	230	1	100	10
11/27/2014	3:40 PM	69.4	69.4	69.1	42	45.3	0	---	0	0	---	69.4	67.1	67.1	29.914	0	0	0	0.031	71.4	37	43.8	68.9	7.32	0.074	226	1	99.1	10
11/27/2014	3:50 PM	69.5	69.5	69.3	42	45.4	0	---	0	0	---	69.5	67.1	67.1	29.913	0	0	0	0.031	71.6	37	43.9	69.2	7.32	0.074	226	1	99.1	10
11/27/2014	4:00 PM	69.8	69.8	69.5	42	45.7	0	---	0	0	---	69.8	67.4	67.4	29.915	0	0	0	0.033	71.8	37	44.1	69.5	7.31	0.0739	229	1	100	10
11/27/2014	4:10 PM	69.9	69.9	69.8	42	45.8	0	---	0	0	---	69.9	67.4	67.4	29.918	0	0	0	0.034	71.9	38	44.9	69.8	7.47	0.0739	226	1	99.1	10
11/27/2014	4:20 PM	70.1	70.1	69.9	42	45.9	0	---	0	0	---	70.1	67.6	67.6	29.917	0	0	0	0.035	72.1	38	45.1	70.1	7.47	0.0739	231	1	100	10
11/27/2014	4:30 PM	70.3	70.3	70.1	42	46.1	0	---	0	0	---	70.3	67.9	67.9	29.915	0	0	0	0.037	72.3	38	45.3	70.4	7.46	0.0738	227	1	99.6	10
11/27/2014	4:40 PM	70.4	70.4	70.3	42	46.2	0	---	0	0	---	70.4	68	68	29.914	0	0	0	0.038	72.3	38	45.3	70.4	7.46	0.0738	231	1	100	10
11/27/2014	4:50 PM	70.6	70.6	70.4	43	47	0	---	0	0	---	70.6	68.4	68.4	29.908	0	0	0	0.039	72.4	38	45.4	70.5	7.45	0.0738	225	1	98.7	10
11/27/2014	5:00 PM	70.7	70.7	70.6	43	47.1	0	---	0	0	---	70.7	68.5	68.5	29.907	0	0	0	0.04	72.6	38	45.5	70.9	7.45	0.0738	229	1	100	10
11/27/2014	5:10 PM	70.8	70.8	70.7	42	46.6	0	---	0	0	---	70.8	68.5	68.5	29.909	0	0	0	0.04	72.6	38	45.5	70.9	7.45	0.0738	227	1	99.6	10
11/27/2014	5:20 PM	70.9	70.9	70.8	42	46.7	0	---	0	0	---	70.9	68.7	68.7	29.91	0	0	0	0.041	72.8	38	45.7	71.2	7.44	0.0737	231	1	100	10
11/27/2014	5:30 PM	71	71	70.9	42	46.7	0	---	0	0	---	71	68.8	68.8	29.912	0	0	0	0.042	72.8	38	45.7	71.2	7.44	0.0737	227	1	99.6	10
11/27/2014	5:40 PM	71.1	71.1	71	42	46.8	0	---	0	0	---	71.1	68.9	68.9	29.913	0	0	0	0.042	72.9	38	45.8	71.3	7.43	0.0737	228	1	100	10
11/27/2014	5:50 PM	71.1	71.1	71	42	46.8	0	---	0	0	---	71.1	68.9	68.9	29.914	0	0	0	0.042	72.9	38	45.8	71.3	7.43	0.0737	227	1	99.6	10
11/27/2014	6:00 PM	71.2	71.2	71.1	42	46.9	0	---	0	0	---	71.2	69.1	69.1	29.916	0	0	0	0.043	72.9	38	45.8	71.3	7.43	0.0737	229	1	100	10
11/27/2014	6:10 PM	71.2	71.2	71.2	42	46.9	0	---	0	0	---	71.2	69.1	69.1	29.916	0	0	0	0.043	72.9	38	45.8	71.3	7.43	0.0737	229	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/27/2014	6:20 PM	71.3	71.3	71.2	43	47.6	0	---	0	0	---	71.3	69.4	69.4	29.917	0	0	0	0.044	73.1	38	46	71.6	7.43	0.0737	228	1	100	10
11/27/2014	6:30 PM	71.3	71.3	71.3	43	47.6	0	---	0	0	---	71.3	69.4	69.4	29.918	0	0	0	0.044	73.1	38	46	71.6	7.43	0.0737	231	1	100	10
11/27/2014	6:40 PM	71.4	71.4	71.3	43	47.7	0	---	0	0	---	71.4	69.5	69.5	29.921	0	0	0	0.044	73.1	38	46	71.6	7.43	0.0737	227	1	99.6	10
11/27/2014	6:50 PM	71.4	71.4	71.3	44	48.3	0	---	0	0	---	71.4	69.6	69.6	29.92	0	0	0	0.044	73.1	39	46.7	71.7	7.59	0.0737	229	1	100	10
11/27/2014	7:00 PM	71.4	71.4	71.4	44	48.3	0	---	0	0	---	71.4	69.6	69.6	29.921	0	0	0	0.044	73.1	39	46.7	71.7	7.59	0.0737	225	1	98.7	10
11/27/2014	7:10 PM	71.4	71.4	71.4	45	48.9	0	---	0	0	---	71.4	69.7	69.7	29.92	0	0	0	0.044	73.1	39	46.7	71.7	7.59	0.0737	231	1	100	10
11/27/2014	7:20 PM	71.5	71.5	71.4	45	49	0	---	0	0	---	71.5	69.8	69.8	29.921	0	0	0	0.045	73.1	39	46.7	71.7	7.59	0.0737	226	1	99.1	10
11/27/2014	7:30 PM	71.5	71.5	71.4	45	49	0	---	0	0	---	71.5	69.8	69.8	29.92	0	0	0	0.045	73.1	39	46.7	71.7	7.59	0.0737	231	1	100	10
11/27/2014	7:40 PM	71.4	71.5	71.4	45	48.9	0	---	0	0	---	71.4	69.7	69.7	29.92	0	0	0	0.044	73.1	40	47.3	71.8	7.69	0.0737	226	1	99.1	10
11/27/2014	7:50 PM	71.4	71.5	71.4	45	48.9	0	---	0	0	---	71.4	69.7	69.7	29.921	0	0	0	0.044	73.1	40	47.3	71.8	7.69	0.0737	229	1	100	10
11/27/2014	8:00 PM	71.4	71.5	71.4	45	48.9	0	---	0	0	---	71.4	69.7	69.7	29.919	0	0	0	0.044	73.1	40	47.3	71.8	7.69	0.0737	227	1	99.6	10
11/27/2014	8:10 PM	71.4	71.4	71.4	46	49.5	0	---	0	0	---	71.4	69.8	69.8	29.919	0	0	0	0.044	73.1	40	47.3	71.8	7.69	0.0737	229	1	100	10
11/27/2014	8:20 PM	71.3	71.4	71.3	45	48.9	0	---	0	0	---	71.3	69.6	69.6	29.919	0	0	0	0.044	73.1	40	47.3	71.8	7.69	0.0737	229	1	100	10
11/27/2014	8:30 PM	71.3	71.4	71.3	46	49.4	0	---	0	0	---	71.3	69.7	69.7	29.919	0	0	0	0.044	73.1	40	47.3	71.8	7.69	0.0737	227	1	99.6	10
11/27/2014	8:40 PM	71.3	71.4	71.3	46	49.4	0	---	0	0	---	71.3	69.7	69.7	29.921	0	0	0	0.044	72.9	40	47.2	71.5	7.69	0.0737	230	1	100	10
11/27/2014	8:50 PM	71.3	71.3	71.3	47	50	0	---	0	0	---	71.3	69.8	69.8	29.92	0	0	0	0.044	72.9	41	47.8	71.6	7.83	0.0737	228	1	100	10
11/27/2014	9:00 PM	71.3	71.3	71.3	47	50	0	---	0	0	---	71.3	69.8	69.8	29.92	0	0	0	0.044	72.9	41	47.8	71.6	7.83	0.0737	230	1	100	10
11/27/2014	9:10 PM	71.2	71.3	71.2	47	49.9	0	---	0	0	---	71.2	69.6	69.6	29.925	0	0	0	0.043	72.9	41	47.8	71.6	7.83	0.0737	228	1	100	10
11/27/2014	9:20 PM	71.2	71.2	71.2	47	49.9	0	---	0	0	---	71.2	69.6	69.6	29.926	0	0	0	0.043	72.8	41	47.7	71.5	7.84	0.0737	228	1	100	10
11/27/2014	9:30 PM	71.2	71.2	71.1	47	49.9	0	---	0	0	---	71.2	69.6	69.6	29.927	0	0	0	0.043	72.8	41	47.7	71.5	7.84	0.0737	227	1	99.6	10
11/27/2014	9:40 PM	71.1	71.1	71.1	47	49.8	0	---	0	0	---	71.1	69.4	69.4	29.927	0	0	0	0.042	72.8	42	48.4	71.5	7.99	0.0737	229	1	100	10
11/27/2014	9:50 PM	71	71.1	71	48	50.3	0	---	0	0	---	71	69.4	69.4	29.926	0	0	0	0.042	72.6	42	48.2	71.2	8	0.0737	225	1	98.7	10
11/27/2014	10:00 PM	71	71	70.9	47	49.7	0	---	0	0	---	71	69.3	69.3	29.928	0	0	0	0.042	72.6	42	48.2	71.2	8	0.0737	229	1	100	10
11/27/2014	10:10 PM	70.8	71	70.8	47	49.6	0	---	0	0	---	70.8	69	69	29.926	0	0	0	0.04	72.4	42	48	70.9	8	0.0738	226	1	99.1	10
11/27/2014	10:20 PM	70.8	70.9	70.8	47	49.6	0	---	0	0	---	70.8	69	69	29.925	0	0	0	0.04	72.4	42	48	70.9	8	0.0738	229	1	100	10
11/27/2014	10:30 PM	70.7	70.8	70.7	47	49.5	0	---	0	0	---	70.7	68.9	68.9	29.925	0	0	0	0.04	72.3	42	47.9	70.8	8	0.0738	228	1	100	10
11/27/2014	10:40 PM	70.6	70.7	70.6	47	49.4	0	---	0	0	---	70.6	68.8	68.8	29.929	0	0	0	0.039	72.3	42	47.9	70.8	8	0.0738	227	1	99.6	10
11/27/2014	10:50 PM	70.5	70.6	70.5	47	49.3	0	---	0	0	---	70.5	68.6	68.6	29.928	0	0	0	0.038	72.1	42	47.7	70.5	8.01	0.0738	229	1	100	10
11/27/2014	11:00 PM	70.4	70.5	70.4	47	49.2	0	---	0	0	---	70.4	68.5	68.5	29.924	0	0	0	0.038	72.1	42	47.7	70.5	8.01	0.0738	227	1	99.6	10
11/27/2014	11:10 PM	70.4	70.4	70.3	46	48.6	0	---	0	0	---	70.4	68.4	68.4	29.922	0	0	0	0.038	71.9	42	47.6	70.1	8.01	0.0738	231	1	100	10
11/27/2014	11:20 PM	70.3	70.4	70.3	46	48.5	0	---	0	0	---	70.3	68.3	68.3	29.92	0	0	0	0.037	71.9	42	47.6	70.1	8.01	0.0738	226	1	99.1	10
11/27/2014	11:30 PM	70.2	70.3	70.2	46	48.4	0	---	0	0	---	70.2	68.2	68.2	29.918	0	0	0	0.036	71.8	42	47.5	70	8.01	0.0738	229	1	100	10
11/27/2014	11:40 PM	70.1	70.2	70.1	46	48.4	0	---	0	0	---	70.1	68	68	29.915	0	0	0	0.035	71.8	42	47.5	70	8.01	0.0738	229	1	100	10
11/27/2014	11:50 PM	70	70.1	70	46	48.3	0	---	0	0	---	70	67.9	67.9	29.912	0	0	0	0.035	71.6	42	47.3	69.7	8.02	0.0739	229	1	100	10
11/28/2014	12:10 AM	69.8	69.9	69.8	46	48.1	0	---	0	0	---	69.8	67.8	67.8	29.91	0	0	0	0.033	71.4	41	46.5	69.3	7.89	0.0739	228	1	100	10
11/28/2014	12:20 AM	69.7	69.9	69.7	45	47.4	0	---	0	0	---	69.7	67.6	67.6	29.908	0	0	0	0.033	71.3	41	46.4	69.2	7.9	0.0739	227	1	99.6	10
11/28/2014	12:30 AM	69.6	69.7	69.6	45	47.3	0	---	0	0	---	69.6	67.5	67.5	29.906	0	0	0	0.032	71.3	41	46.4	69.2	7.9	0.0739	229	1	100	10
11/28/2014	12:40 AM	69.6	69.7	69.5	45	47.3	0	---	0	0	---	69.6	67.5	67.5	29.905	0	0	0	0.032	71.1	41	46.2	68.8	7.91	0.0739	226	1	99.1	10
11/28/2014	12:50 AM	69.5	69.5	69.4	45	47.2	0	---	0	0	---	69.5	67.4	67.4	29.906	0	0	0	0.031	71.1	41	46.2	68.8	7.91	0.0739	228	1	100	10
11/28/2014	1:00 AM	69.4	69.5	69.4	44	46.5	0	---	0	0	---	69.4	67.3	67.3	29.903	0	0	0	0.031	70.9	41	46	68.6	7.91	0.074	228	1	100	10
11/28/2014	1:10 AM	69.3	69.4	69.3	44	46.4	0	---	0	0	---	69.3	67.2	67.2	29.904	0	0	0	0.03	70.7	41	45.8	68.3	7.92	0.074	227	1	99.6	10
11/28/2014	1:20 AM	69.2	69.3	69.2	44	46.4	0	---	0	0	---	69.2	67.1	67.1	29.903	0	0	0	0.029	70.7	40	45.2	68.2	7.74	0.074	230	1	100	10
11/28/2014	1:30 AM	69.1	69.2	69.1	43	45.7	0	---	0	0	---	69.1	67	67	29.903	0	0	0	0.028	70.6	40	45.1	68.1	7.74	0.074	226	1	99.1	10
11/28/2014	1:40 AM	69	69.1	69	43	45.6	0	---	0	0	---	69	66.9	66.9	29.9	0	0	0	0.028	70.6	40	45.1	68.1	7.74	0.074	229	1	100	10
11/28/2014	1:50 AM	68.9	69	68.9	43	45.5	0	---	0	0	---	68.9	66.8	66.8	29.899	0	0	0	0.027	70.4	40	44.9	67.8	7.74	0.0741	226	1	99.1	10
11/28/2014	2:00 AM	68.8	68.9	68.8	43	45.4	0	---	0	0	---	68.8	66.7	66.7	29.899	0	0	0	0.026	70.4	40	44.9	67.8	7.74	0.0741	230	1	100	10
11/28/2014	2:10 AM	68.7	68.8	68.7	43	45.3	0	---	0	0	---	68.7	66.6	66.6	29.901	0	0	0	0.026	70.2	40	44.7	67.6	7.75	0.0741	227	1	99.6	10
11/28/2014	2:20 AM	68.6	68.7	68.6	42	44.6	0	---	0	0	---	68.6	66.4	66.4	29.903	0	0	0	0.025	70.1	39	44	67.3	7.65	0.0741	229	1	100	10
11/28/2014	2:30 AM	68.5	68.6	68.5	42	44.5	0	---	0	0	---	68.5	66.3	66.3	29.9	0	0	0	0.024	70.1	39	44	67.3	7.65	0.0741	228	1	100	10
11/28/2014	2:40 AM	68.4	68.5	68.4	42	44.4	0	---	0	0	---	68.4	66.2	66.2	29.898	0	0	0	0.024	69.9	39	43.8	67.1	7.65	0.0742	228	1	100	10
11/28/2014	2:50 AM	68.3	68.4	68.3	41	43.7	0	---	0	0	---	68.3	66	66	29.896	0	0	0	0.023	69.9	39	43.8	67.1	7.65	0.0742	229	1	100	10
11/28/2014	3:00 AM	68.3	68.3	68.2	41	43.7	0	---	0	0	---	68.3	66	66	29.896	0	0	0	0.023	69.7	39	43.6	67	7.66	0.0742	229	1	100	10
11/28/2014	3:10 AM	68.1	68.2	68.1	40	42.9	0	---	0	0	---	68.1	65.7	65.7	29.895	0	0	0	0.022	69.6	39	43.5	66.9	7.66	0.0742	228	1	100	10
11/28/2014	3:20 AM	68	68.1	68	40	42.8	0	---	0	0	---	68	65.6	65.6	29.898	0	0	0	0.021	69.6	38	42.9	66.8	7.55	0.0742	226	1	99.1	10
11/28/2014	3:30 AM	67.9	68	67.9	40	42.7	0	---	0	0	---	67.9	65.5	65.5	29.895	0	0	0	0.02	69.4	38	42.7	66.7	7.55	0.0743	230	1	100	10
11/28/2014	3:40 AM	67.8	67.9	67.8	40	42.6	0	---	0	0	---	67.8	65.4	65.4	29.895	0	0	0	0.019	69.4	38	42.7	66.7	7.55	0.0743	226	1	99.1	10
11/28/2014	3:50 AM	67.7	67.8	67.7	40	42.5	0	---	0	0	---	67.7	65.3	65.3	29.895	0	0	0	0.019	69.2	38	42.5	66.5	7.55	0.0743	229	1	100	10
11/28/2014	4:00 AM	67.6	67.7	67.6	40	42.4	0	---	0	0	---	67.6	65.2	65.2	29.893	0	0	0	0.018	69.1	38	42.4	66.4	7.55	0.0743	226	1	99.1	10
11/28/2014	4:10 AM	67.5	67.6	67.5	39	41.7	0	---	0	0	---	67.5	64.9	64.9	29.888	0	0	0	0.017	69.1	38	42.4	66.4	7.55	0.0743	230	1	100	10
11/28/2014	4:20 AM	67.4	67.5	67.4	39	41.6	0	---	0	0	---	67.4	64.8	64.8	29.888	0	0	0	0.017	68.9	37	41.5	66.1	7.35	0.0743	226	1	99.1	10
11/28/2014	4:30 AM	67.3	67.4	67.3	39	41.5	0	---	0	0	---	67.3	64.7	64.7	29.889	0	0	0	0.016	68.9	37	41.5	66.1	7.35	0.0743	231	1	100	10
11/28/2014	4:40 AM	67.2	67.3	67.2	39	41.4	0	---	0	0	---	67.2	64.6	64.6	29.888	0	0	0	0.015	68.7	37	41.4	65.9	7.35	0.0744	227	1	99.6	10
11/28/2014	4:50 AM	67.1	67.2	67.1	39	41.3	0	---	0	0	---	67.1	64.5	64.5	29.887	0	0	0	0.015	68.7	37	41.4	65.9	7.35	0.0744	227	1	99.6	10
11/28/2014	5:00 AM	67	67.1	67	39	41.2	0	---	0	0	---	67	64.4	64.4	29.887	0	0	0	0.014	68.6	37	41.3	65.8	7.35	0.0744	228	1	100	10
11/28/2014	5:10 AM	66.9	67	66.9	39	41.1	0	---	0	0	---	66.9	64.3	64.3	29.886	0	0	0	0.013	68.6	37	41.3	65.8	7.35	0.0744	225	1	98.7	10
11/28/2014	5:20 AM	66.8	66.9	66.8	39	41	0	---	0	0	---	66.8	64.2	64.2	29.888	0	0	0	0.013	68.4	37	41.1	65.6	7.35	0.0744	230	1	100	10
11/28/2014	5:30 AM	66.7	66.8	66.7	38	40.3	0	---	0	0	---	66.7	63.9	63.9	29.89	0	0	0	0.012	68.3	37	41	65.5	7.35	0.0744	227	1	99.6	10
11/28/2014	5:40 AM	66.6	66.7	66.6	38	40.2	0	---	0	0	---	66.6	63.8	63.8	29.889	0	0	0	0.011	68.3	37	41	65.5	7.35	0.0744	231	1	100	10
11/28/2014	5:50 AM	66.5	66.6	66.5	38	40.1	0	---	0	0	---	66.5	63.7	63.7	29.891	0	0	0	0.01	68.1	36	40.1	65.2	7.21	0.0745	227	1	99.6	10
11/28/2014	6:00 AM	66.5	66.5	66.5	38	40.1	0	---	0	0	---	66.5	63.7	63.7	29.897	0	0	0	0.01	68.1	36	40.1	65.2	7.21	0.0745	229	1	100	10
11/28/2014	6:10 AM	66.4	66.5	66.3	38	40	0	---	0	0	---	66.4	63.6	63.6	29.895	0	0	0	0.01	67.9	36	39.9	65	7.21	0.0745	226	1	99.1	10
11/28/2014	6:20 AM	66.3	66.4	66.3	38	39.9	0	---	0	0	---	66.3	63.5	63.5	29.894	0	0	0	0.009	67.9	36	39.9	65	7.21	0.0745	229	1	100	10
11/28/2014	6:30 AM	66.2	66.3	66.2	38	39.8	0	---	0	0	---	66.2	63.4	63.4	29.898	0	0	0	0.008	67.8	36	39.9	64.9	7.21	0.0746	226	1	99.1	10
11/28/2014	6:40 AM	66.1	66.2	66.1	38	39.7	0	---	0	0	---	66.1	63.3	63.3	29.898	0	0	0	0.008	67.8	36	39.9	64.9	7.21	0.0746	229	1	100	10
11/28/2014	6:50 AM	66	66.1	66	38	39.7	0	---	0	0	---	66	63.2	63.2	29.898	0	0	0	0.007	67.6	36	39.7	64.7	7.2	0.0746	226	1	99.1	10
11/28/2014	7:00 AM	65.9	66	65.9	38	39.6	0	---	0	0	---	65.9	63.1	63.1	29.898	0	0	0	0.006	67.6	36	39.7	64.7	7.2	0.0746	229	1	100	10
11/28/2014	7:10 AM	65.8	65.9	65.8	38	39.5	0	---	0	0	---	65.8	63	63	29.9	0	0	0	0.006	67.5	36	39.6	64.6	7.2	0.0746	229	1	100	10
11/28/2014	7:20 AM	65.8	65.8	65.7	37	38.8	0	---	0	0	---	65.8	62.9	62.9	29.901	0	0	0	0.006	67.5	36	39.6	64.6	7.2	0.0746	226	1	99.1	10
11/28/2014	7:30 AM	65.7	65.8	65.7	37	38.7	0	---	0	0	---	65.7	62.8	62.8	29.9	0	0	0	0.005	67.3	36	39.4	64.4	7.2	0.0746	228	1	100	10
11/28/2014	7:40 AM	65.6	65.7	65.6	37	38.6	0	---	0	0	---	65.6	62.7	62.7	29.898	0	0	0	0.004	67.3	36	39.4	64.4	7.2	0.0746	226	1	99.1	10
11/28/2014	7:50 AM	65.5	65.6	65.5	37	38.5	0	---	0	0	---	65.5	62.6	62.6	29.902	0	0	0	0.003	67.1	36	39.2	64.1	7.19	0.0747	232	1	100	10
11/28/2014	8:00 AM	65.4	65.5	65.4	38	39.1	0	---	0	0	---	65.4	62.6	62.6	29.905	0	0	0	0.003	67.1	36	39.2	64.1	7.19	0.0747	224	1	98.2	10
11/28/2014	8:10 AM	65.3	65.4	65.3	38	39	0	---	0	0	---	65.3	62.5	62.5	29.908	0	0	0	0.002	67	36	39.1	64	7.19	0.0747	231	1	100	10
11/28/2014	8:20 AM	65.2	65.3	65.2	38	38.9	0	---	0	0	---	65.2	62.4	62.4	29.909	0	0	0	0.001	67	36	39.1	64	7.19	0.0747	226	1	99.1	10
11/28/2014	8:30 AM	65.2	65.3	65.2	38	38.9	0	---	0	0	---	65.2	62.4	62.4	29.912	0	0	0	0.001	67	36	39.1	64	7.19	0.0747	229	1	100	10
11/28/2014	8:40 AM	65.1	65.2	65.1	38	38.8	0	---	0	0	---	65.1	62.3	62.3	29.916	0	0	0	0.001	66.8	36	39	63.8	7.19	0.0748	229	1	100	10
11/28/2014	8:50 AM	65	65.1	65	38	38.8	0	---	0	0	---	65	62.2	62.2	29.916	0	0	0	0	66.8	36	39	63.8	7.19	0.0748	228	1	100	10
11/28/2014	9:00 AM	64.9	65	64.9	38	38.7	0	---	0	0	---	64.9	62.1	62.1	29.915	0	0	0	0.001	0	66.6	36	38.8	63.6	7.18	0.0748	229	1	100	10
11/28/2014	9:10 AM	64.9	65	64.9	38	38.7	0	---	0	0	---	64.9	62.1	62.1	29.917	0	0	0	0.001	0	66.6	36	38.8	63.6	7.18	0.0748	227	1	99.6	10
11/28/2014	9:20 AM	64.8	64.9	64.8	38	38.6	0	---	0	0	---	64.8	61.9	61.9	29.915	0	0	0	0.001	0	66.6	36	38.8	63.6	7.18	0.0748	230	1	100	10
11/28/2014	9:30 AM	64.8	64.8	64.7	38	38.6	0	---	0	0	---	64.8	61.9	61.9	29.918	0	0	0	0.001	0	66.5	36	38.7	63.5	7.18	0.0748	225	1	98.7	10
11/28/2014	9:40 AM	64.7	64.8	64.7	38	38.5	0	---	0	0	---	64.7	61.8	61.8	29.917	0	0	0	0.002	0	66.5	36	38.7	63.5	7.18	0.0748	229	1	100	10
11/28/2014	9:50 AM	64.7	64.7	64.6	38	38.5	0	---	0	0	---	64.7	61.8	61.8	29.917	0	0	0	0.002	0	66.5	36	38.7	63.5	7.18	0.0748	229	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/28/2014	10:00 AM	64.6	64.7	64.6	38	38.4	0	---	0	0	---	64.6	61.7	61.7	29.917	0	0	0.003	0	66.5	36	38.7	63.5	7.18	0.0748	229	1	100	10
11/28/2014	10:10 AM	64.5	64.6	64.5	38	38.3	0	---	0	0	---	64.5	61.6	61.6	29.915	0	0	0.003	0	66.3	36	38.5	63.3	7.18	0.0748	227	1	99.6	10
11/28/2014	10:20 AM	64.5	64.6	64.5	38	38.3	0	---	0	0	---	64.5	61.6	61.6	29.91	0	0	0.003	0	66.3	36	38.5	63.3	7.18	0.0748	230	1	100	10
11/28/2014	10:30 AM	64.5	64.5	64.5	39	39	0	---	0	0	---	64.5	61.7	61.7	29.906	0	0	0.003	0	66.3	36	38.5	63.3	7.18	0.0748	226	1	99.1	10
11/28/2014	10:40 AM	64.4	64.5	64.4	39	38.9	0	---	0	0	---	64.4	61.6	61.6	29.902	0	0	0.004	0	66.3	36	38.5	63.3	7.18	0.0748	227	1	99.6	10
11/28/2014	10:50 AM	64.4	64.5	64.4	39	38.9	0	---	0	0	---	64.4	61.6	61.6	29.902	0	0	0.004	0	66.3	36	38.5	63.3	7.18	0.0748	227	1	99.6	10
11/28/2014	11:00 AM	64.4	64.4	64.4	39	38.9	0	---	0	0	---	64.4	61.6	61.6	29.901	0	0	0.004	0	66.3	36	38.5	63.3	7.18	0.0748	227	1	99.6	10
11/28/2014	11:10 AM	64.3	64.4	64.3	39	38.8	0	---	0	0	---	64.3	61.5	61.5	29.897	0	0	0.005	0	66.3	36	38.5	63.3	7.18	0.0748	229	1	100	10
11/28/2014	11:20 AM	64.3	64.4	64.3	39	38.8	0	---	0	0	---	64.3	61.5	61.5	29.889	0	0	0.005	0	66.3	36	38.5	63.3	7.18	0.0748	227	1	99.6	10
11/28/2014	11:30 AM	64.3	64.3	64.3	40	39.4	0	---	0	0	---	64.3	61.6	61.6	29.886	0	0	0.005	0	66.3	36	38.5	63.3	7.18	0.0748	229	1	100	10
11/28/2014	11:40 AM	64.3	64.3	64.3	41	40.1	0	---	0	0	---	64.3	61.7	61.7	29.878	0	0	0.005	0	66.3	36	38.5	63.3	7.18	0.0748	225	1	98.7	10
11/28/2014	11:50 AM	64.3	64.3	64.3	41	40.1	0	---	0	0	---	64.3	61.7	61.7	29.87	0	0	0.005	0	66.3	37	39.2	63.4	7.35	0.0747	230	1	100	10
11/28/2014	12:00 PM	64.3	64.4	64.3	42	40.7	0	---	0	0	---	64.3	61.8	61.8	29.867	0	0	0.005	0	66.3	37	39.2	63.4	7.35	0.0747	226	1	99.1	10
11/28/2014	12:10 PM	64.4	64.4	64.3	43	41.4	0	---	0	0	---	64.4	62	62	29.862	0	0	0.004	0	66.5	37	39.4	63.6	7.35	0.0747	229	1	100	10
11/28/2014	12:20 PM	64.4	64.4	64.4	44	42	0	---	0	0	---	64.4	62.1	62.1	29.859	0	0	0.004	0	66.5	37	39.4	63.6	7.35	0.0747	229	1	100	10
11/28/2014	12:30 PM	64.5	64.5	64.4	45	42.7	0	---	0	0	---	64.5	62.3	62.3	29.86	0	0	0.003	0	66.6	38	40.2	63.8	7.55	0.0746	227	1	99.6	10
11/28/2014	12:40 PM	64.5	64.6	64.5	45	42.7	0	---	0	0	---	64.5	62.3	62.3	29.854	0	0	0.003	0	66.6	38	40.2	63.8	7.55	0.0746	229	1	100	10
11/28/2014	12:50 PM	64.7	64.7	64.6	47	44	0	---	0	0	---	64.7	62.7	62.7	29.848	0	0	0.002	0	66.8	39	41	64.2	7.71	0.0745	226	1	99.1	10
11/28/2014	1:00 PM	64.8	64.8	64.7	48	44.6	0	---	0	0	---	64.8	62.9	62.9	29.845	0	0	0.001	0	67	40	41.9	64.5	7.81	0.0745	229	1	100	10
11/28/2014	1:10 PM	64.9	64.9	64.7	49	45.3	0	---	0	0	---	64.9	63.1	63.1	29.837	0	0	0.001	0	67.1	40	42	64.6	7.81	0.0745	226	1	99.1	10
11/28/2014	1:20 PM	65	65	64.9	50	45.9	0	---	0	0	---	65	63.3	63.3	29.831	0	0	0	0	67.1	40	42	64.6	7.81	0.0744	227	1	99.6	10
11/28/2014	1:30 PM	65.1	65.1	65	50	46	0	---	0	0	---	65.1	63.4	63.4	29.828	0	0	0	0.001	67.3	40	42.1	64.8	7.8	0.0744	226	1	99.1	10
11/28/2014	1:40 PM	65.2	65.3	65.1	50	46.1	0	---	0	0	---	65.2	63.5	63.5	29.828	0	0	0	0.001	67.5	41	43	65.2	7.95	0.0743	229	1	100	10
11/28/2014	1:50 PM	65.4	65.4	65.2	49	45.7	0	---	0	0	---	65.4	63.6	63.6	29.826	0	0	0	0.003	67.6	41	43.1	65.3	7.95	0.0743	225	1	98.7	10
11/28/2014	2:00 PM	65.5	65.5	65.4	49	45.8	0	---	0	0	---	65.5	63.8	63.8	29.824	0	0	0	0.003	67.8	41	43.2	65.5	7.95	0.0743	230	1	100	10
11/28/2014	2:10 PM	65.7	65.7	65.5	49	46	0	---	0	0	---	65.7	64	64	29.819	0	0	0	0.005	67.9	41	43.3	65.6	7.95	0.0743	231	1	100	10
11/28/2014	2:20 PM	65.8	65.8	65.6	49	46.1	0	---	0	0	---	65.8	64.1	64.1	29.819	0	0	0	0.006	68.1	41	43.5	65.8	7.95	0.0742	226	1	99.1	10
11/28/2014	2:30 PM	66	66	65.8	49	46.3	0	---	0	0	---	66	64.3	64.3	29.816	0	0	0	0.007	68.3	41	43.7	66	7.95	0.0742	225	1	98.7	10
11/28/2014	2:40 PM	66.1	66.1	66	49	46.4	0	---	0	0	---	66.1	64.4	64.4	29.814	0	0	0	0.008	68.4	42	44.4	66.2	8.08	0.0741	226	1	99.1	10
11/28/2014	2:50 PM	66.3	66.3	66.1	49	46.6	0	---	0	0	---	66.3	64.7	64.7	29.815	0	0	0	0.009	68.6	42	44.6	66.4	8.08	0.0741	230	1	100	10
11/28/2014	3:00 PM	66.5	66.5	66.3	50	47.3	0	---	0	0	---	66.5	65	65	29.813	0	0	0	0.01	68.7	42	44.7	66.5	8.08	0.0741	226	1	99.1	10
11/28/2014	3:10 PM	66.7	66.7	66.5	49	46.9	0	---	0	0	---	66.7	65.1	65.1	29.814	0	0	0	0.012	68.9	42	44.9	66.7	8.07	0.0741	231	1	100	10
11/28/2014	3:20 PM	66.9	66.9	66.7	49	47.1	0	---	0	0	---	66.9	65.4	65.4	29.81	0	0	0	0.013	69.1	43	45.7	67	8.25	0.074	225	1	98.7	10
11/28/2014	3:30 PM	67.1	67.1	66.9	49	47.3	0	---	0	0	---	67.1	65.6	65.6	29.806	0	0	0	0.015	69.2	43	45.7	67	8.25	0.074	231	1	100	10
11/28/2014	3:40 PM	67.3	67.3	67.1	49	47.5	0	---	0	0	---	67.3	65.8	65.8	29.807	0	0	0	0.016	69.4	43	45.9	67.2	8.25	0.0739	229	1	100	10
11/28/2014	3:50 PM	67.5	67.5	67.3	49	47.7	0	---	0	0	---	67.5	66.1	66.1	29.807	0	0	0	0.017	69.6	43	46.1	67.3	8.25	0.0739	228	1	100	10
11/28/2014	4:00 PM	67.6	67.6	67.4	50	48.3	0	---	0	0	---	67.6	66.3	66.3	29.812	0	0	0	0.018	69.7	43	46.2	67.4	8.25	0.0739	230	1	100	10
11/28/2014	4:10 PM	67.8	67.8	67.6	49	47.9	0	---	0	0	---	67.8	66.4	66.4	29.807	0	0	0	0.019	69.9	43	46.4	67.5	8.25	0.0739	228	1	100	10
11/28/2014	4:20 PM	67.9	67.9	67.8	49	48	0	---	0	0	---	67.9	66.5	66.5	29.807	0	0	0	0.02	69.9	43	46.4	67.5	8.25	0.0739	229	1	100	10
11/28/2014	4:30 PM	68.1	68.1	67.9	48	47.7	0	---	0	0	---	68.1	66.6	66.6	29.808	0	0	0	0.022	70.1	43	46.6	67.7	8.25	0.0738	224	1	98.2	10
11/28/2014	4:40 PM	68.2	68.2	68.1	49	48.3	0	---	0	0	---	68.2	66.8	66.8	29.805	0	0	0	0.022	70.2	43	46.6	67.9	8.24	0.0738	226	1	99.1	10
11/28/2014	4:50 PM	68.3	68.3	68.2	48	47.8	0	---	0	0	---	68.3	66.8	66.8	29.802	0	0	0	0.023	70.2	43	46.6	67.9	8.24	0.0738	226	1	99.1	10
11/28/2014	5:00 PM	68.4	68.4	68.3	48	47.9	0	---	0	0	---	68.4	66.9	66.9	29.8	0	0	0	0.024	70.4	43	46.8	68.1	8.23	0.0738	230	1	100	10
11/28/2014	5:10 PM	68.5	68.5	68.4	48	48	0	---	0	0	---	68.5	66.9	66.9	29.801	0	0	0	0.024	70.4	43	46.8	68.1	8.23	0.0738	226	1	99.1	10
11/28/2014	5:20 PM	68.6	68.6	68.5	47	47.6	0	---	0	0	---	68.6	66.9	66.9	29.801	0	0	0	0.025	70.6	43	47	68.4	8.23	0.0737	230	1	100	10
11/28/2014	5:30 PM	68.7	68.7	68.6	47	47.6	0	---	0	0	---	68.7	67	67	29.802	0	0	0	0.026	70.6	43	47	68.4	8.23	0.0737	226	1	99.1	10
11/28/2014	5:40 PM	68.8	68.8	68.7	47	47.7	0	---	0	0	---	68.8	67.1	67.1	29.802	0	0	0	0.026	70.6	43	47	68.4	8.23	0.0737	228	1	100	10
11/28/2014	5:50 PM	68.8	68.8	68.8	47	47.7	0	---	0	0	---	68.8	67.1	67.1	29.803	0	0	0	0.026	70.7	42	46.5	68.4	8.04	0.0737	227	1	99.6	10
11/28/2014	6:00 PM	68.9	68.9	68.8	47	47.8	0	---	0	0	---	68.9	67.2	67.2	29.805	0	0	0	0.027	70.7	42	46.5	68.4	8.04	0.0737	229	1	100	10
11/28/2014	6:10 PM	68.9	69	68.9	47	47.8	0	---	0	0	---	68.9	67.2	67.2	29.807	0	0	0	0.027	70.7	42	46.5	68.4	8.04	0.0737	229	1	100	10
11/28/2014	6:20 PM	69	69	68.9	47	47.9	0	---	0	0	---	69	67.3	67.3	29.809	0	0	0	0.028	70.7	42	46.5	68.4	8.04	0.0738	230	1	100	10
11/28/2014	6:30 PM	69	69	69	47	47.9	0	---	0	0	---	69	67.3	67.3	29.809	0	0	0	0.028	70.7	42	46.5	68.4	8.04	0.0738	229	1	100	10
11/28/2014	6:40 PM	69.1	69.1	69	47	48	0	---	0	0	---	69.1	67.4	67.4	29.809	0	0	0	0.028	70.9	42	46.7	68.7	8.03	0.0737	229	1	100	10
11/28/2014	6:50 PM	69.1	69.1	69.1	47	48	0	---	0	0	---	69.1	67.4	67.4	29.811	0	0	0	0.028	70.9	42	46.7	68.7	8.03	0.0737	230	1	100	10
11/28/2014	7:00 PM	69.1	69.1	69.1	47	48	0	---	0	0	---	69.1	67.4	67.4	29.811	0	0	0	0.028	70.9	42	46.7	68.7	8.03	0.0737	224	1	98.2	10
11/28/2014	7:10 PM	69.1	69.1	69.1	47	48	0	---	0	0	---	69.1	67.4	67.4	29.811	0	0	0	0.028	70.9	42	46.7	68.7	8.03	0.0737	231	1	100	10
11/28/2014	7:20 PM	69.1	69.2	69.1	47	48	0	---	0	0	---	69.1	67.4	67.4	29.811	0	0	0	0.028	70.9	42	46.7	68.7	8.03	0.0737	226	1	99.1	10
11/28/2014	7:30 PM	69.1	69.2	69.1	46	47.4	0	---	0	0	---	69.1	67.3	67.3	29.812	0	0	0	0.028	70.9	42	46.7	68.7	8.03	0.0737	230	1	100	10
11/28/2014	7:40 PM	69.1	69.1	69.1	46	47.4	0	---	0	0	---	69.1	67.3	67.3	29.811	0	0	0	0.028	70.7	42	46.5	68.4	8.04	0.0738	226	1	99.1	10
11/28/2014	7:50 PM	69.1	69.1	69.1	46	47.4	0	---	0	0	---	69.1	67.3	67.3	29.814	0	0	0	0.028	70.7	42	46.5	68.4	8.04	0.0738	228	1	100	10
11/28/2014	8:00 PM	69.1	69.1	69	46	47.4	0	---	0	0	---	69.1	67.3	67.3	29.813	0	0	0	0.028	70.7	42	46.5	68.4	8.04	0.0738	228	1	100	10
11/28/2014	8:10 PM	69	69.1	69	45	46.8	0	---	0	0	---	69	67.1	67.1	29.813	0	0	0	0.028	70.7	42	46.5	68.4	8.04	0.0738	227	1	99.6	10
11/28/2014	8:20 PM	69	69	69	45	46.8	0	---	0	0	---	69	67.1	67.1	29.812	0	0	0	0.028	70.6	41	45.7	68.2	7.93	0.0738	230	1	100	10
11/28/2014	8:30 PM	68.9	69	68.9	44	46.1	0	---	0	0	---	68.9	66.9	66.9	29.812	0	0	0	0.027	70.6	41	45.7	68.2	7.93	0.0738	228	1	100	10
11/28/2014	8:40 PM	68.9	68.9	68.9	44	46.1	0	---	0	0	---	68.9	66.9	66.9	29.811	0	0	0	0.027	70.6	41	45.7	68.2	7.93	0.0738	230	1	100	10
11/28/2014	8:50 PM	68.8	68.9	68.8	43	45.4	0	---	0	0	---	68.8	66.7	66.7	29.813	0	0	0	0.026	70.4	41	45.6	67.9	7.93	0.0738	227	1	99.6	10
11/28/2014	9:00 PM	68.8	68.9	68.8	43	45.4	0	---	0	0	---	68.8	66.7	66.7	29.815	0	0	0	0.026	70.4	40	44.9	67.8	7.74	0.0739	229	1	100	10
11/28/2014	9:10 PM	68.7	68.8	68.7	42	44.7	0	---	0	0	---	68.7	66.5	66.5	29.818	0	0	0	0.026	70.4	40	44.9	67.8	7.74	0.0739	225	1	98.7	10
11/28/2014	9:20 PM	68.7	68.7	68.7	42	44.7	0	---	0	0	---	68.7	66.5	66.5	29.817	0	0	0	0.026	70.2	40	44.7	67.6	7.75	0.0739	230	1	100	10
11/28/2014	9:30 PM	68.6	68.7	68.6	42	44.6	0	---	0	0	---	68.6	66.4	66.4	29.819	0	0	0	0.025	70.2	40	44.7	67.6	7.75	0.0739	228	1	100	10
11/28/2014	9:40 PM	68.5	68.6	68.5	41	43.9	0	---	0	0	---	68.5	66.2	66.2	29.82	0	0	0	0.024	70.2	40	44.7	67.6	7.75	0.0739	230	1	100	10
11/28/2014	9:50 PM	68.5	68.6	68.5	41	43.9	0	---	0	0	---	68.5	66.2	66.2	29.819	0	0	0	0.024	70.1	39	44	67.3	7.65	0.0739	226	1	99.1	10
11/28/2014	10:00 PM	68.4	68.5	68.4	41	43.8	0	---	0	0	---	68.4	66.1	66.1	29.818	0	0	0	0.024	70.1	39	44	67.3	7.65	0.0739	228	1	100	10
11/28/2014	10:10 PM	68.4	68.4	68.3	41	43.8	0	---	0	0	---	68.4	66.1	66.1	29.815	0	0	0	0.024	69.9	39	43.8	67.1	7.65	0.074	230	1	100	10
11/28/2014	10:20 PM	68.3	68.4	68.3	40	43	0	---	0	0	---	68.3	65.9	65.9	29.819	0	0	0	0.023	69.9	39	43.8	67.1	7.65	0.074	225	1	98.7	10
11/28/2014	10:30 PM	68.2	68.3	68.2	40	42.9	0	---	0	0	---	68.2	65.8	65.8	29.816	0	0	0	0.022	69.9	39	43.8	67.1	7.65	0.074	230	1	100	10
11/28/2014	10:40 PM	68.2	68.3	68.2	40	42.9	0	---	0	0	---	68.2	65.8	65.8	29.816	0	0	0	0.022	69.7	38	42.9	66.9	7.55	0.074	227	1	99.6	10
11/28/2014	10:50 PM	68.1	68.2	68.1	40	42.9	0	---	0	0	---	68.1	65.7	65.7	29.815	0	0	0	0.022	69.7	38	42.9	66.9	7.55	0.074	228	1	100	10
11/28/2014	11:00 PM	68	68.1	68	40	42.8	0	---	0	0	---	68	65.6	65.6	29.813	0	0	0	0.021	69.6	38	42.9	66.8	7.55	0.074	226	1	99.1	10
11/28/2014	11:10 PM	67.9	68.1	67.9	40	42.7	0	---	0	0	---	67.9	65.5	65.5	29.812	0	0	0	0.02	69.6	38	42.9	66.8	7.55	0.074	228	1	100	10
11/28/2014	11:20 PM	67.9	68	67.9	40	42.7	0	---	0	0	---	67.9	65.5	65.5	29.81	0	0	0	0.02	69.6	38	42.9	66.8	7.55	0.074	227	1	99.6	10
11/28/2014	11:30 PM	67.8	67.9	67.8	40	42.6	0	---	0	0	---	67.8	65.4	65.4	29.807	0	0	0	0.019	69.4	38	42.7	66.7	7.55	0.074	227	1	99.6	10
11/28/2014	11:40 PM	67.7	67.8	67.7	40	42.5	0	---	0	0	---	67.7	65.3	65.3	29.806	0	0	0	0.019	69.4	38	42.7	66.7	7.55	0.074	229	1	100	10
11/28/2014	11:50 PM	67.7	67.8	67.7	40	42.5	0	---	0	0	---	67.7	65.3	65.3	29.804	0	0	0	0.019	69.2	38	42.5	66.5	7.55	0.0741	229	1	100	10
11/29/2014	12:10 AM	67.6	67.6	67.5	40	42.4	0	---	0	0	---	67.6	65.2	65.2	29.802	0	0	0	0.018	69.1	38	42.4	66.4	7.55	0.0741	227	1	99.6	10
11/29/2014	12:20 AM	67.5	67.6	67.5	39	41.7	0	---	0	0	---	67.5	64.9	64.9	29.8	0	0	0	0.017	69.1	38	42.4	66.4	7.55	0.0741	228	1	100	10
11/29/2014	12:30 AM	67.4	67.5	67.4	39	41.6	0	---	0	0	---	67.4	64.8	64.8	29.796	0	0	0	0.017	68.9	37	41.5	66.1	7.35	0.0741	228	1	100	10
11/29/2014	12:40 AM	67.3	67.4	67.3	39	41.5	0	---	0	0	---	67.3	64.7	64.7	29.796	0	0	0	0.016	68.9	37	41.5	66.1	7.35	0.0741	229	1	100	10
11/29/2014	12:50 AM	67.2	67.3	67.2	39	41.4	0	---	0	0	---	67.2	64.6	64.6	29.794	0	0	0	0.015	68.7	37	41.4	65.9	7.35	0.0741	226	1	99.1	10
11/29/2014	1:00 AM	67.1	67.2	67.1	39	41.3	0	---	0	0	---	67.1	64.5	64.5	29.792	0	0	0	0.015	68.7	37	41.4	65.9	7.35	0.0741	230	1	100	10
11/29/2014	1:10 AM	67.1	67.2	67.1	39	41.3	0	---	0	0	---	67.1	64.5	64.5	29.793	0	0	0	0.015	68.6	37	41.3	65.8	7.35	0.0741	228	1	100	10
11/29/2014	1:20 AM	67	67.1	67	39	41.2	0	---	0	0	---	67	64.4	64.4	29.794	0	0	0	0.014	68.6	37	41.3	65.8	7.35	0.0742	231	1	100	10
11/29/2014	1:30 AM	66.9	67	66.9	39	41.1	0	---	0	0	---	66.9	64.3	64.3	29.796	0	0	0	0.013	68.6	37	41.3	65.8	7.35	0.0742	227	1	99.6	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/29/2014	1:40 AM	66.8	66.9	66.8	39	41	0	---	0	0	---	66.8	64.2	64.2	29.796	0	0	0	0.013	68.4	37	41.1	65.6	7.35	0.0742	230	1	100	10
11/29/2014	1:50 AM	66.7	66.8	66.7	39	40.9	0	---	0	0	---	66.7	64.1	64.1	29.799	0	0	0	0.012	68.4	37	41.1	65.6	7.35	0.0742	226	1	99.1	10
11/29/2014	2:00 AM	66.7	66.7	66.6	39	40.9	0	---	0	0	---	66.7	64.1	64.1	29.802	0	0	0	0.012	68.3	37	41	65.5	7.35	0.0742	229	1	100	10
11/29/2014	2:10 AM	66.6	66.7	66.6	39	40.9	0	---	0	0	---	66.6	63.9	63.9	29.802	0	0	0	0.011	68.3	37	41	65.5	7.35	0.0742	228	1	100	10
11/29/2014	2:20 AM	66.5	66.6	66.5	39	40.8	0	---	0	0	---	66.5	63.8	63.8	29.804	0	0	0	0.01	68.1	37	40.8	65.3	7.35	0.0743	228	1	100	10
11/29/2014	2:30 AM	66.4	66.5	66.4	39	40.7	0	---	0	0	---	66.4	63.7	63.7	29.805	0	0	0	0.01	68.1	37	40.8	65.3	7.35	0.0743	230	1	100	10
11/29/2014	2:40 AM	66.3	66.4	66.3	39	40.6	0	---	0	0	---	66.3	63.6	63.6	29.804	0	0	0	0.009	67.9	37	40.7	65.1	7.35	0.0743	225	1	98.7	10
11/29/2014	2:50 AM	66.2	66.3	66.2	39	40.5	0	---	0	0	---	66.2	63.5	63.5	29.8	0	0	0	0.008	67.9	37	40.7	65.1	7.35	0.0743	229	1	100	10
11/29/2014	3:00 AM	66.2	66.3	66.2	39	40.5	0	---	0	0	---	66.2	63.5	63.5	29.799	0	0	0	0.008	67.8	37	40.6	65	7.35	0.0743	226	1	99.1	10
11/29/2014	3:10 AM	66.1	66.2	66.1	39	40.4	0	---	0	0	---	66.1	63.4	63.4	29.798	0	0	0	0.008	67.8	37	40.6	65	7.35	0.0743	230	1	100	10
11/29/2014	3:20 AM	66	66.1	66	40	41	0	---	0	0	---	66	63.4	63.4	29.798	0	0	0	0.007	67.8	37	40.6	65	7.35	0.0743	227	1	99.6	10
11/29/2014	3:30 AM	65.9	66	65.9	40	40.9	0	---	0	0	---	65.9	63.3	63.3	29.798	0	0	0	0.006	67.6	37	40.4	64.8	7.35	0.0743	230	1	100	10
11/29/2014	3:40 AM	65.9	65.9	65.9	40	40.9	0	---	0	0	---	65.9	63.3	63.3	29.796	0	0	0	0.006	67.6	37	40.4	64.8	7.35	0.0743	226	1	99.1	10
11/29/2014	3:50 AM	65.8	65.9	65.8	40	40.8	0	---	0	0	---	65.8	63.2	63.2	29.797	0	0	0	0.006	67.5	37	40.3	64.7	7.35	0.0743	228	1	100	10
11/29/2014	4:00 AM	65.7	65.8	65.7	40	40.7	0	---	0	0	---	65.7	63.1	63.1	29.799	0	0	0	0.005	67.5	37	40.3	64.7	7.35	0.0743	228	1	100	10
11/29/2014	4:10 AM	65.6	65.7	65.6	40	40.6	0	---	0	0	---	65.6	63	63	29.798	0	0	0	0.004	67.3	37	40.1	64.5	7.35	0.0744	226	1	99.1	10
11/29/2014	4:20 AM	65.6	65.6	65.5	40	40.6	0	---	0	0	---	65.6	63	63	29.802	0	0	0	0.004	67.3	37	40.1	64.5	7.35	0.0744	227	1	99.6	10
11/29/2014	4:30 AM	65.5	65.6	65.5	40	40.5	0	---	0	0	---	65.5	62.9	62.9	29.801	0	0	0	0.003	67.3	37	40.1	64.5	7.35	0.0744	228	1	100	10
11/29/2014	4:40 AM	65.4	65.5	65.4	40	40.4	0	---	0	0	---	65.4	62.8	62.8	29.8	0	0	0	0.003	67.1	37	39.9	64.3	7.35	0.0744	230	1	100	10
11/29/2014	4:50 AM	65.3	65.4	65.3	40	40.3	0	---	0	0	---	65.3	62.7	62.7	29.806	0	0	0	0.002	67.1	37	39.9	64.3	7.35	0.0744	225	1	98.7	10
11/29/2014	5:00 AM	65.2	65.3	65.2	40	40.3	0	---	0	0	---	65.2	62.6	62.6	29.808	0	0	0	0.001	67	37	39.9	64.1	7.35	0.0744	230	1	100	10
11/29/2014	5:10 AM	65.2	65.3	65.2	40	40.3	0	---	0	0	---	65.2	62.6	62.6	29.806	0	0	0	0.001	67	37	39.9	64.1	7.35	0.0744	224	1	98.2	10
11/29/2014	5:20 AM	65.1	65.2	65.1	40	40.2	0	---	0	0	---	65.1	62.5	62.5	29.805	0	0	0	0.001	66.8	37	39.7	63.9	7.35	0.0745	229	1	100	10
11/29/2014	5:30 AM	65.1	65.1	65	40	40.2	0	---	0	0	---	65.1	62.5	62.5	29.808	0	0	0	0.001	66.8	37	39.7	63.9	7.35	0.0745	227	1	99.6	10
11/29/2014	5:40 AM	65	65	65	40	40.1	0	---	0	0	---	65	62.4	62.4	29.812	0	0	0	0	66.6	37	39.5	63.7	7.35	0.0745	230	1	100	10
11/29/2014	5:50 AM	64.9	65	64.9	40	40	0	---	0	0	---	64.9	62.3	62.3	29.818	0	0	0.001	0	66.6	37	39.5	63.7	7.35	0.0745	228	1	100	10
11/29/2014	6:00 AM	64.8	64.9	64.8	41	40.5	0	---	0	0	---	64.8	62.3	62.3	29.819	0	0	0.001	0	66.6	37	39.5	63.7	7.35	0.0745	228	1	100	10
11/29/2014	6:10 AM	64.8	64.8	64.8	41	40.5	0	---	0	0	---	64.8	62.3	62.3	29.82	0	0	0.001	0	66.5	38	40.1	63.7	7.55	0.0745	229	1	100	10
11/29/2014	6:20 AM	64.7	64.8	64.7	42	41.1	0	---	0	0	---	64.7	62.2	62.2	29.82	0	0	0.002	0	66.5	38	40.1	63.7	7.55	0.0745	225	1	98.7	10
11/29/2014	6:30 AM	64.6	64.7	64.6	43	41.6	0	---	0	0	---	64.6	62.2	62.2	29.822	0	0	0.003	0	66.5	38	40.1	63.7	7.55	0.0745	227	1	99.6	10
11/29/2014	6:40 AM	64.5	64.6	64.5	43	41.5	0	---	0	0	---	64.5	62.1	62.1	29.824	0	0	0.003	0	66.3	39	40.6	63.6	7.72	0.0746	228	1	100	10
11/29/2014	6:50 AM	64.5	64.6	64.5	44	42.1	0	---	0	0	---	64.5	62.2	62.2	29.829	0	0	0.003	0	66.3	39	40.6	63.6	7.72	0.0746	229	1	100	10
11/29/2014	7:00 AM	64.5	64.5	64.5	45	42.7	0	---	0	0	---	64.5	62.3	62.3	29.828	0	0	0.003	0	66.3	40	41.2	63.7	7.82	0.0746	228	1	100	10
11/29/2014	7:10 AM	64.5	64.5	64.4	46	43.3	0	---	0	0	---	64.5	62.4	62.4	29.832	0	0	0.003	0	66.3	40	41.2	63.7	7.82	0.0746	230	1	100	10
11/29/2014	7:20 AM	64.4	64.5	64.4	47	43.7	0	---	0	0	---	64.4	62.4	62.4	29.833	0	0	0.004	0	66.3	41	41.9	63.8	7.95	0.0746	226	1	99.1	10
11/29/2014	7:30 AM	64.4	64.4	64.4	48	44.3	0	---	0	0	---	64.4	62.5	62.5	29.835	0	0	0.004	0	66.3	42	42.5	63.9	8.12	0.0745	229	1	100	10
11/29/2014	7:40 AM	64.4	64.4	64.4	50	45.3	0	---	0	0	---	64.4	62.6	62.6	29.838	0	0	0.004	0	66.3	42	42.5	63.9	8.12	0.0746	228	1	100	10
11/29/2014	7:50 AM	64.3	64.4	64.3	51	45.8	0	---	0	0	---	64.3	62.6	62.6	29.84	0	0	0.005	0	66.3	43	43.1	64	8.25	0.0745	229	1	100	10
11/29/2014	8:00 AM	64.3	64.3	64.3	52	46.3	0	---	0	0	---	64.3	62.7	62.7	29.844	0	0	0.005	0	66.2	44	43.6	64	8.35	0.0746	230	1	100	10
11/29/2014	8:10 AM	64.3	64.3	64.3	56	48.3	0	---	0	0	---	64.3	63.1	63.1	29.845	0	0	0.005	0	66.3	47	45.5	64.5	8.82	0.0745	227	1	99.6	10
11/29/2014	8:20 AM	64.4	64.4	64.3	59	49.8	0	---	0	0	---	64.4	63.5	63.5	29.846	0	0	0.004	0	66.5	49	46.7	64.9	9.12	0.0744	231	1	100	10
11/29/2014	8:30 AM	64.4	64.4	64.4	64	52	0	N	0	1	N	64.4	63.9	63.9	29.851	0	0	0.004	0	66.5	51	47.8	65.1	9.52	0.0744	225	1	98.7	10
11/29/2014	8:40 AM	64.2	64.4	64.2	64	51.8	0	---	0	0	---	64.2	63.7	63.7	29.855	0	0	0.006	0	66	52	47.9	64.6	9.73	0.0745	228	1	100	10
11/29/2014	8:50 AM	63.8	64.2	63.8	66	52.2	0	---	0	0	---	63.8	63.3	63.3	29.855	0	0	0.008	0	65.8	53	48.2	64.5	9.93	0.0745	227	1	99.6	10
11/29/2014	9:00 AM	63.5	63.8	63.5	67	52.3	0	---	0	0	---	63.5	63.1	63.1	29.858	0	0	0.01	0	65.5	54	48.4	64.3	10.13	0.0745	228	1	100	10
11/29/2014	9:10 AM	63.2	63.5	63.2	68	52.5	0	---	0	0	---	63.2	62.8	62.8	29.86	0	0	0.012	0	65.3	55	48.7	64.1	10.24	0.0746	227	1	99.6	10
11/29/2014	9:20 AM	63.1	63.2	63.1	69	52.8	0	---	0	0	---	63.1	62.7	62.7	29.862	0	0	0.013	0	65.3	56	49.2	64.2	10.44	0.0746	230	1	100	10
11/29/2014	9:30 AM	63	63.1	63	71	53.4	0	---	0	0	---	63	62.7	62.7	29.867	0.02	0.82	0.014	0	65.3	57	49.7	64.3	10.64	0.0746	227	1	99.6	10
11/29/2014	9:40 AM	62.9	63	62.9	70	53	0	---	0	0	---	62.9	62.6	62.6	29.864	0.06	27.43	0.015	0	65.3	59	50.6	64.4	10.95	0.0745	227	1	99.6	10
11/29/2014	9:50 AM	62.9	62.9	62.9	70	53	0	---	0	0	---	62.9	62.6	62.6	29.865	0	0	0.015	0	65.3	59	50.6	64.4	10.95	0.0745	231	1	100	10
11/29/2014	10:00 AM	62.9	62.9	62.9	70	53	0	---	0	0	---	62.9	62.6	62.6	29.863	0	0	0.015	0	65.5	59	50.8	64.7	10.95	0.0745	227	1	99.6	10
11/29/2014	10:10 AM	63	63	62.9	70	53.1	0	---	0	0	---	63	62.7	62.7	29.862	0	0	0.014	0	65.5	59	50.8	64.7	10.95	0.0745	229	1	100	10
11/29/2014	10:20 AM	63.1	63.1	63	69	52.8	0	---	0	0	---	63.1	62.7	62.7	29.853	0	0	0.013	0	65.7	59	51	64.9	10.95	0.0744	226	1	99.1	10
11/29/2014	10:30 AM	63.1	63.1	63.1	68	52.4	0	---	0	0	---	63.1	62.7	62.7	29.851	0	0	0.013	0	65.7	58	50.5	64.8	10.75	0.0744	230	1	100	10
11/29/2014	10:40 AM	63.8	63.8	63.1	65	51.8	0	SE	0	3	NNE	63.8	63.3	63.3	29.852	0.04	7.38	0.008	0	65.8	56	49.7	64.8	10.43	0.0744	227	1	99.6	10
11/29/2014	10:50 AM	67	67	63.8	58	51.7	0	WSW	0	4	W	67	66.3	66.3	29.85	0.04	18.58	0	0.014	66	55	49.4	64.9	10.23	0.0744	227	1	99.6	10
11/29/2014	11:00 AM	68.7	68.7	67	55	51.9	0	WSW	0	4	WSW	68.7	67.8	67.8	29.846	0	0	0	0.026	66.5	55	49.8	65.5	10.22	0.0743	226	1	99.1	10
11/29/2014	11:10 AM	69.7	69.7	68.7	53	51.8	0	SW	0	2	WSW	69.7	68.3	68.3	29.841	0	0	0	0.033	66.5	54	49.3	65.4	10.09	0.0743	228	1	100	10
11/29/2014	11:20 AM	70	70	69.7	54	52.6	0	SW	0	2	W	70	68.6	68.6	29.837	0	0	0	0.035	66.6	54	49.4	65.5	10.09	0.0743	228	1	100	10
11/29/2014	11:30 AM	71.1	71.1	70	52	52.6	0	WNW	0	1	WNW	71.1	69.9	69.9	29.829	0	0	0	0.042	66.8	54	49.6	65.8	10.08	0.0742	227	1	99.6	10
11/29/2014	11:40 AM	71.9	71.9	71.1	45	49.4	0	WSW	0	4	WSW	71.9	70.4	70.4	29.82	0	0	0	0.048	67	53	49.3	65.9	9.91	0.0742	228	1	100	10
11/29/2014	11:50 AM	72.4	72.4	71.7	44	49.3	0	SSW	0	4	W	72.4	71.1	71.1	29.813	0	0	0	0.051	67.1	53	49.4	66	9.91	0.0742	225	1	98.7	10
11/29/2014	12:00 PM	72.8	72.8	72.3	44	49.6	0	WSW	0	5	W	72.8	71.7	71.7	29.807	0	0	0	0.054	67.5	52	49.3	66.3	9.7	0.0741	230	1	100	10
11/29/2014	12:10 PM	73.1	73.2	72.9	43	49.3	0	SW	0	1	SW	73.1	72.1	72.1	29.805	0	0	0	0.056	67.8	52	49.5	66.7	9.69	0.0741	226	1	99.1	10
11/29/2014	12:20 PM	73.6	73.6	73.2	40	47.8	0	WSW	0	4	WSW	73.6	72.5	72.5	29.801	0	0	0	0.06	68.1	51	49.3	66.9	9.49	0.074	229	1	100	10
11/29/2014	12:30 PM	73.8	73.8	73.5	40	48	0	SW	0	1	SW	73.8	72.8	72.8	29.79	0	0	0	0.061	68.4	51	49.6	67.2	9.48	0.0739	227	1	99.6	10
11/29/2014	12:40 PM	74.3	74.3	73.8	38	47	0	S	0	3	WSW	74.3	73.3	73.3	29.787	0	0	0	0.065	68.7	50	49.3	67.3	9.28	0.0739	226	1	99.1	10
11/29/2014	12:50 PM	74.6	74.6	74.2	35	45.1	0	WSW	0	4	WSW	74.6	73.4	73.4	29.782	0	0	0	0.067	69.1	49	49.1	67.6	9.07	0.0738	225	1	98.7	10
11/29/2014	1:00 PM	73.6	74.7	73.6	54	55.9	0	ESE	0	3	SSE	73.6	73.6	73.6	29.778	0	0	0	0.06	69.4	50	49.9	67.9	9.26	0.0737	229	1	100	10
11/29/2014	1:10 PM	72	73.6	71.9	58	56.4	0	ESE	0	5	ESE	72	71.7	71.7	29.778	0	0	0	0.049	69.7	52	51.3	68.3	9.66	0.0737	226	1	99.1	10
11/29/2014	1:20 PM	71.5	72.2	71.5	60	56.9	0	E	0	4	SE	71.5	71.2	71.2	29.773	0	0	0	0.045	70.1	52	51.7	68.6	9.65	0.0736	228	1	100	10
11/29/2014	1:30 PM	70.4	71.5	70.4	63	57.2	0	E	0	3	E	70.4	70	70	29.773	0	0	0	0.038	70.4	53	52.4	69.1	9.83	0.0735	225	1	98.7	10
11/29/2014	1:40 PM	69.7	70.4	69.6	64	57	0	SE	0	5	SSE	69.7	69.4	69.4	29.774	0	0	0	0.033	70.7	54	53.2	69.5	9.94	0.0734	229	1	100	10
11/29/2014	1:50 PM	69.6	69.6	69.5	65	57.3	0	ESE	0	4	SSE	69.6	69.4	69.4	29.771	0	0	0	0.032	70.9	54	53.4	69.8	9.93	0.0734	224	1	98.2	10
11/29/2014	2:00 PM	69.2	69.8	69.2	65	56.9	1	ESE	0.17	6	SE	69.2	69.1	69.1	29.772	0	0	0	0.029	71.1	54	53.6	70.1	9.93	0.0734	228	1	100	10
11/29/2014	2:10 PM	68.6	69.2	68.6	68	57.6	1	ESE	0.17	5	E	68.6	68.9	68.9	29.766	0	0	0	0.025	71.1	56	54.6	70.2	10.33	0.0733	229	1	100	10
11/29/2014	2:20 PM	68	68.6	68	69	57.4	1	ESE	0.17	5	E	68	68.5	68.5	29.767	0	0	0	0.021	71.1	55	54.1	70.1	10.13	0.0733	228	1	100	10
11/29/2014	2:30 PM	68.3	68.3	68	69	57.7	0	SE	0	4	ESE	68.3	68.8	68.8	29.766	0	0	0	0.023	71.1	56	54.6	70.2	10.33	0.0733	225	1	98.7	10
11/29/2014	2:40 PM	68.3	68.3	68.2	70	58.1	0	SE	0	5	E	68.3	68.8	68.8	29.768	0	0	0	0.023	70.9	56	54.4	70	10.33	0.0733	226	1	99.1	10
11/29/2014	2:50 PM	68.5	68.5	68.3	69	57.9	0	SE	0	3	ESE	68.5	68.9	68.9	29.769	0	0	0	0.024	71.1	56	54.6	70.2	10.33	0.0733	230	1	100	10
11/29/2014	3:00 PM	67.5	68.5	67.5	71	57.8	1	ESE	0.17	5	ESE	67.5	68.1	68.1	29.766	0	0	0	0.017	71.1	56	54.6	70.2	10.33	0.0733	225	1	98.7	10
11/29/2014	3:10 PM	67.2	67.5	67.2	72	57.9	0	SE	0	5	SSE	67.2	67.8	67.8	29.766	0	0	0	0.015	71.1	56	54.6	70.2	10.33	0.0733	228	1	100	10
11/29/2014	3:20 PM	66.8	67.4	66.8	73	57.9	0	ESE	0	6	E	66.8	67.3	67.3	29.769	0.03	9.93	0	0.013	71.3	57	55.3	70.6	10.5	0.0733	226	1	99.1	10
11/29/2014	3:30 PM	66.8	66.8	66.6	73	57.9	0	SE	0	3	NNW	66.8	67.3	67.3	29.765	0	0.06	0	0.013	71.1	57	55.1	70.3	10.51	0.0733	228	1	100	10
11/29/2014	3:40 PM	67.3	67.3	66.8	72	58	0	---	0	0	---	67.3	67.9	67.9	29.767	0	0	0	0.016	71.3	59	56.2	70.8	10.9	0.0732	227	1	99.6	10
11/29/2014	3:50 PM	67.8	67.8	67.3	71	58.1	0	---	0	0	---	67.8	68.4	68.4	29.768	0	0	0	0.019	70.9	60	56.3	70.4	11.03	0.0733	229	1	100	10
11/29/2014	4:00 PM	68.2	68.2	67.8	71	58.4	0	---	0	0	---	68.2	68.8	68.8	29.77	0	0	0	0.022	70.7	60	56.1	70.1	11.04	0.0733	227	1	99.6	10
11/29/2014	4:10 PM	68.4	68.4	68.2	70	58.2	0	---	0	0	---	68.4	68.9	68.9	29.764	0	0	0	0.024	70.7	60	56.1	70.1	11.04	0.0733	230	1	100	10
11/29/2014	4:20 PM	68.5	68.5	68.4	69	57.9	0	---	0	0	---	68.5	68.9	68.9	29.765	0	0	0	0.024	70.7	59	55.7	70	10.92	0.0733	227	1	99.6	10
11/29/2014	4:30 PM	68.5	68.6	68.5	68	57.5	0	---	0	0	---	68.5	68.8	68.8	29.764	0	0	0	0.024	70.7	59	55.7	70	10.92	0.0733	229	1	100	10
11/29/2014	4:40 PM	68.5	68.6	68.5	67	57.1	0	---	0	0	---	68.5	68.7	68.7	29.767	0	0	0	0.024	70.7	59	55.7	70	10.92	0.0733	226	1	99.1	10
11/29/2014	4:50 PM	68.6	68.6	68.5	67	57.2	0	---	0	0	---	68.6	68.8	68.8	29.768	0	0	0	0.025	70.7	59	55.7	70	10.92	0.0733	228	1	100	10
11/29/2014	5:00 PM	68.6	68.6	68.5	67	57.2	0	---	0	0	---	68.6	68.8	68.8	29.766	0	0	0	0.025	70.7	58	55.2	69.9	10.72	0.0733	227	1	99.6	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/29/2014	5:10 PM	68.5	68.6	68.5	67	57.1	0	---	0	0	---	68.5	68.7	68.7	29.769	0	0	0	0.024	70.6	58	55.1	69.8	10.73	0.0734	224	1	98.2	10
11/29/2014	5:20 PM	68.5	68.5	68.5	66	56.7	0	---	0	0	---	68.5	68.6	68.6	29.772	0	0	0	0.024	70.6	58	55.1	69.8	10.73	0.0734	228	1	100	10
11/29/2014	5:30 PM	68.5	68.5	68.5	66	56.7	0	---	0	0	---	68.5	68.6	68.6	29.771	0	0	0	0.024	70.6	58	55.1	69.8	10.73	0.0734	226	1	99.1	10
11/29/2014	5:40 PM	68.4	68.5	68.4	66	56.6	0	---	0	0	---	68.4	68.6	68.6	29.771	0	0	0	0.024	70.6	58	55.1	69.8	10.73	0.0734	229	1	100	10
11/29/2014	5:50 PM	68.4	68.5	68.4	66	56.6	0	---	0	0	---	68.4	68.6	68.6	29.772	0	0	0	0.024	70.6	58	55.1	69.8	10.73	0.0734	227	1	99.6	10
11/29/2014	6:00 PM	68.4	68.5	68.4	66	56.6	0	---	0	0	---	68.4	68.6	68.6	29.773	0	0	0	0.024	70.6	58	55.1	69.8	10.73	0.0734	230	1	100	10
11/29/2014	6:10 PM	68.4	68.4	68.4	65	56.2	0	---	0	0	---	68.4	68.5	68.5	29.78	0	0	0	0.024	70.6	58	55.1	69.8	10.73	0.0734	226	1	99.1	10
11/29/2014	6:20 PM	68.4	68.4	68.4	65	56.2	0	---	0	0	---	68.4	68.5	68.5	29.781	0	0	0	0.024	70.6	58	55.1	69.8	10.73	0.0734	229	1	100	10
11/29/2014	6:30 PM	68.4	68.4	68.4	65	56.2	0	---	0	0	---	68.4	68.5	68.5	29.781	0	0	0	0.024	70.6	57	54.6	69.7	10.53	0.0734	229	1	100	10
11/29/2014	6:40 PM	68.4	68.4	68.3	65	56.2	0	---	0	0	---	68.4	68.5	68.5	29.78	0	0	0	0.024	70.4	57	54.4	69.4	10.53	0.0734	227	1	99.6	10
11/29/2014	6:50 PM	68.4	68.4	68.3	65	56.2	0	---	0	0	---	68.4	68.5	68.5	29.782	0	0	0	0.024	70.4	57	54.4	69.4	10.53	0.0735	228	1	100	10
11/29/2014	7:00 PM	68.3	68.4	68.3	65	56.1	0	---	0	0	---	68.3	68.4	68.4	29.784	0	0	0	0.023	70.4	57	54.4	69.4	10.53	0.0735	227	1	99.6	10
11/29/2014	7:10 PM	68.3	68.3	68.3	65	56.1	0	---	0	0	---	68.3	68.4	68.4	29.782	0	0	0	0.023	70.4	57	54.4	69.4	10.53	0.0735	227	1	99.6	10
11/29/2014	7:20 PM	68.3	68.3	68.3	65	56.1	0	---	0	0	---	68.3	68.4	68.4	29.789	0	0	0	0.023	70.4	57	54.4	69.4	10.53	0.0735	228	1	100	10
11/29/2014	7:30 PM	68.3	68.3	68.3	65	56.1	0	---	0	0	---	68.3	68.4	68.4	29.793	0	0	0	0.023	70.4	57	54.4	69.4	10.53	0.0735	229	1	100	10
11/29/2014	7:40 PM	68.3	68.3	68.3	65	56.1	0	---	0	0	---	68.3	68.4	68.4	29.79	0	0	0	0.023	70.4	57	54.4	69.4	10.53	0.0735	226	1	99.1	10
11/29/2014	7:50 PM	68.3	68.3	68.3	65	56.1	0	---	0	0	---	68.3	68.4	68.4	29.792	0	0	0	0.023	70.4	57	54.4	69.4	10.53	0.0735	229	1	100	10
11/29/2014	8:00 PM	68.2	68.3	68.2	65	56	0	---	0	0	---	68.2	68.3	68.3	29.794	0	0	0	0.022	70.2	57	54.2	69.2	10.54	0.0735	225	1	98.7	10
11/29/2014	8:10 PM	68.2	68.3	68.2	65	56	0	---	0	0	---	68.2	68.3	68.3	29.796	0	0	0	0.022	70.2	57	54.2	69.2	10.54	0.0735	228	1	100	10
11/29/2014	8:20 PM	68.2	68.3	68.2	64	55.6	0	---	0	0	---	68.2	68.2	68.2	29.798	0	0	0	0.022	70.2	57	54.2	69.2	10.54	0.0735	226	1	99.1	10
11/29/2014	8:30 PM	68.2	68.2	68.2	64	55.6	0	---	0	0	---	68.2	68.2	68.2	29.799	0	0	0	0.022	70.2	57	54.2	69.2	10.54	0.0735	231	1	100	10
11/29/2014	8:40 PM	68.1	68.2	68.1	64	55.5	0	---	0	0	---	68.1	68.2	68.2	29.8	0	0	0	0.022	70.2	57	54.2	69.2	10.54	0.0735	228	1	100	10
11/29/2014	8:50 PM	68.1	68.2	68.1	64	55.5	0	---	0	0	---	68.1	68.2	68.2	29.808	0	0	0	0.022	70.1	56	53.7	68.9	10.35	0.0736	227	1	99.6	10
11/29/2014	9:00 PM	68.1	68.1	68.1	64	55.5	0	---	0	0	---	68.1	68.2	68.2	29.809	0	0	0	0.022	70.1	56	53.7	68.9	10.35	0.0736	229	1	100	10
11/29/2014	9:10 PM	68	68.1	68	63	54.9	0	---	0	0	---	68	68	68	29.81	0	0	0	0.021	70.1	56	53.7	68.9	10.35	0.0736	227	1	99.6	10
11/29/2014	9:20 PM	68	68	68	63	54.9	0	---	0	0	---	68	68	68	29.812	0	0	0	0.021	70.1	56	53.7	68.9	10.35	0.0736	231	1	100	10
11/29/2014	9:30 PM	68	68	68	63	54.9	0	---	0	0	---	68	68	68	29.811	0	0	0	0.021	69.9	56	53.5	68.7	10.35	0.0736	225	1	98.7	10
11/29/2014	9:40 PM	67.9	68	67.9	63	54.8	0	---	0	0	---	67.9	67.9	67.9	29.812	0	0	0	0.02	69.9	56	53.5	68.7	10.35	0.0736	230	1	100	10
11/29/2014	9:50 PM	67.9	68	67.9	63	54.8	0	---	0	0	---	67.9	67.9	67.9	29.814	0	0	0	0.02	69.9	56	53.5	68.7	10.35	0.0736	226	1	99.1	10
11/29/2014	10:00 PM	67.9	67.9	67.9	63	54.8	0	---	0	0	---	67.9	67.9	67.9	29.812	0	0	0	0.02	69.9	56	53.5	68.7	10.35	0.0736	229	1	100	10
11/29/2014	10:10 PM	67.8	67.9	67.8	62	54.3	0	---	0	0	---	67.8	67.7	67.7	29.815	0	0	0	0.019	69.7	56	53.3	68.6	10.36	0.0737	228	1	100	10
11/29/2014	10:20 PM	67.9	67.9	67.8	62	54.4	0	---	0	0	---	67.9	67.8	67.8	29.813	0	0	0	0.02	69.7	55	52.8	68.5	10.16	0.0737	230	1	100	10
11/29/2014	10:30 PM	67.8	67.9	67.8	62	54.3	0	---	0	0	---	67.8	67.7	67.7	29.81	0	0	0	0.019	69.7	55	52.8	68.5	10.16	0.0737	228	1	100	10
11/29/2014	10:40 PM	67.8	67.8	67.8	62	54.3	0	---	0	0	---	67.8	67.7	67.7	29.815	0	0	0	0.019	69.7	55	52.8	68.5	10.16	0.0737	228	1	100	10
11/29/2014	10:50 PM	67.7	67.8	67.7	62	54.2	0	---	0	0	---	67.7	67.5	67.5	29.82	0	0	0	0.019	69.7	55	52.8	68.5	10.16	0.0737	229	1	100	10
11/29/2014	11:00 PM	67.7	67.8	67.7	62	54.2	0	---	0	0	---	67.7	67.5	67.5	29.819	0	0	0	0.019	69.7	55	52.8	68.5	10.16	0.0737	229	1	100	10
11/29/2014	11:10 PM	67.7	67.7	67.7	62	54.2	0	---	0	0	---	67.7	67.5	67.5	29.819	0	0	0	0.019	69.6	55	52.7	68.4	10.16	0.0737	227	1	99.6	10
11/29/2014	11:20 PM	67.7	67.7	67.7	62	54.2	0	---	0	0	---	67.7	67.5	67.5	29.822	0	0	0	0.019	69.6	55	52.7	68.4	10.16	0.0737	226	1	99.1	10
11/29/2014	11:30 PM	67.7	67.7	67.7	62	54.2	0	---	0	0	---	67.7	67.5	67.5	29.818	0	0	0	0.019	69.6	55	52.7	68.4	10.16	0.0737	230	1	100	10
11/29/2014	11:40 PM	67.7	67.7	67.6	62	54.2	0	---	0	0	---	67.7	67.5	67.5	29.818	0	0	0	0.019	69.6	55	52.7	68.4	10.16	0.0737	227	1	99.6	10
11/29/2014	11:50 PM	67.6	67.7	67.6	62	54.1	0	---	0	0	---	67.6	67.4	67.4	29.817	0	0	0	0.018	69.6	55	52.7	68.4	10.16	0.0737	229	1	100	10
11/30/2014	12:10 AM	67.6	67.6	67.6	62	54.1	0	---	0	0	---	67.6	67.4	67.4	29.817	0	0	0	0.018	69.4	55	52.5	68.3	10.16	0.0738	226	1	99.1	10
11/30/2014	12:20 AM	67.6	67.6	67.6	62	54.1	0	---	0	0	---	67.6	67.4	67.4	29.818	0	0	0	0.018	69.4	55	52.5	68.3	10.16	0.0738	227	1	99.6	10
11/30/2014	12:30 AM	67.5	67.6	67.5	62	54	0	---	0	0	---	67.5	67.3	67.3	29.819	0	0	0	0.017	69.4	55	52.5	68.3	10.16	0.0738	228	1	100	10
11/30/2014	12:40 AM	67.5	67.6	67.5	62	54	0	---	0	0	---	67.5	67.3	67.3	29.816	0	0	0	0.017	69.4	55	52.5	68.3	10.16	0.0737	227	1	99.6	10
11/30/2014	12:50 AM	67.5	67.5	67.5	62	54	0	---	0	0	---	67.5	67.3	67.3	29.819	0	0	0	0.017	69.2	55	52.3	68.1	10.17	0.0738	228	1	100	10
11/30/2014	1:00 AM	67.5	67.5	67.4	62	54	0	---	0	0	---	67.5	67.3	67.3	29.815	0	0	0	0.017	69.2	55	52.3	68.1	10.17	0.0738	228	1	100	10
11/30/2014	1:10 AM	67.4	67.5	67.4	61	53.5	0	---	0	0	---	67.4	67.1	67.1	29.815	0	0	0	0.017	69.2	55	52.3	68.1	10.17	0.0738	227	1	99.6	10
11/30/2014	1:20 AM	67.4	67.5	67.4	61	53.5	0	---	0	0	---	67.4	67.1	67.1	29.815	0	0	0	0.017	69.2	55	52.3	68.1	10.17	0.0738	231	1	100	10
11/30/2014	1:30 AM	67.4	67.4	67.4	62	53.9	0	---	0	0	---	67.4	67.2	67.2	29.826	0	0	0	0.017	69.2	55	52.3	68.1	10.17	0.0738	226	1	99.1	10
11/30/2014	1:40 AM	67.4	67.4	67.4	61	53.5	0	---	0	0	---	67.4	67.1	67.1	29.827	0	0	0	0.017	69.2	55	52.3	68.1	10.17	0.0738	229	1	100	10
11/30/2014	1:50 AM	67.4	67.4	67.3	62	53.9	0	---	0	0	---	67.4	67.2	67.2	29.827	0	0	0	0.017	69.1	55	52.2	68.1	10.17	0.0738	227	1	99.6	10
11/30/2014	2:00 AM	67.3	67.4	67.3	62	53.8	0	---	0	0	---	67.3	67.1	67.1	29.828	0	0	0	0.016	69.1	55	52.2	68.1	10.17	0.0738	228	1	100	10
11/30/2014	2:10 AM	67.3	67.3	67.3	62	53.8	0	---	0	0	---	67.3	67.1	67.1	29.834	0	0	0	0.016	69.1	55	52.2	68.1	10.17	0.0738	227	1	99.6	10
11/30/2014	2:20 AM	67.3	67.3	67.3	62	53.8	0	---	0	0	---	67.3	67.1	67.1	29.824	0	0	0	0.016	69.1	55	52.2	68.1	10.17	0.0738	228	1	100	10
11/30/2014	2:30 AM	67.2	67.3	67.2	62	53.7	0	---	0	0	---	67.2	66.9	66.9	29.823	0	0	0	0.015	69.1	55	52.2	68.1	10.17	0.0738	228	1	100	10
11/30/2014	2:40 AM	67.2	67.2	67.2	61	53.3	0	---	0	0	---	67.2	66.8	66.8	29.821	0	0	0	0.015	69.1	55	52.2	68.1	10.17	0.0738	229	1	100	10
11/30/2014	2:50 AM	67.2	67.2	67.2	61	53.3	0	---	0	0	---	67.2	66.8	66.8	29.82	0	0	0	0.015	68.9	55	52.1	67.9	10.17	0.0738	227	1	99.6	10
11/30/2014	3:00 AM	67.2	67.2	67.2	62	53.7	0	---	0	0	---	67.2	66.9	66.9	29.825	0	0	0	0.015	68.9	55	52.1	67.9	10.17	0.0739	228	1	100	10
11/30/2014	3:10 AM	67.1	67.2	67.1	62	53.6	0	---	0	0	---	67.1	66.8	66.8	29.827	0	0	0	0.015	68.9	55	52.1	67.9	10.17	0.0739	229	1	100	10
11/30/2014	3:20 AM	67.1	67.2	67.1	62	53.6	0	---	0	0	---	67.1	66.8	66.8	29.828	0	0	0	0.015	68.9	55	52.1	67.9	10.17	0.0739	226	1	99.1	10
11/30/2014	3:30 AM	67.1	67.1	67.1	61	53.2	0	---	0	0	---	67.1	66.7	66.7	29.828	0	0	0	0.015	68.9	55	52.1	67.9	10.17	0.0739	231	1	100	10
11/30/2014	3:40 AM	67.1	67.1	67	61	53.2	0	---	0	0	---	67.1	66.7	66.7	29.827	0	0	0	0.015	68.7	55	51.9	67.8	10.18	0.0739	227	1	99.6	10
11/30/2014	3:50 AM	67	67.1	67	61	53.1	0	---	0	0	---	67	66.6	66.6	29.829	0	0	0	0.014	68.7	55	51.9	67.8	10.18	0.0739	229	1	100	10
11/30/2014	4:00 AM	67	67	67	61	53.1	0	---	0	0	---	67	66.6	66.6	29.833	0	0	0	0.014	68.7	55	51.9	67.8	10.18	0.0739	225	1	98.7	10
11/30/2014	4:10 AM	67	67	67	61	53.1	0	---	0	0	---	67	66.6	66.6	29.835	0	0	0	0.014	68.7	55	51.9	67.8	10.18	0.0739	229	1	100	10
11/30/2014	4:20 AM	67	67	66.9	61	53.1	0	---	0	0	---	67	66.6	66.6	29.834	0	0	0	0.014	68.7	55	51.9	67.8	10.18	0.0739	225	1	98.7	10
11/30/2014	4:30 AM	66.9	67	66.9	61	53	0	---	0	0	---	66.9	66.5	66.5	29.836	0	0	0	0.013	68.6	55	51.8	67.7	10.18	0.0739	229	1	100	10
11/30/2014	4:40 AM	66.9	66.9	66.9	61	53	0	---	0	0	---	66.9	66.5	66.5	29.835	0	0	0	0.013	68.6	55	51.8	67.7	10.18	0.0739	229	1	100	10
11/30/2014	4:50 AM	66.9	66.9	66.9	61	53	0	---	0	0	---	66.9	66.5	66.5	29.834	0	0	0	0.013	68.6	55	51.8	67.7	10.18	0.0739	227	1	99.6	10
11/30/2014	5:00 AM	66.9	66.9	66.8	61	53	0	---	0	0	---	66.9	66.5	66.5	29.843	0	0	0	0.013	68.6	55	51.8	67.7	10.18	0.074	230	1	100	10
11/30/2014	5:10 AM	66.8	66.9	66.8	61	52.9	0	---	0	0	---	66.8	66.4	66.4	29.839	0	0	0	0.013	68.6	54	51.3	67.6	10.01	0.074	226	1	99.1	10
11/30/2014	5:20 AM	66.8	66.8	66.8	61	52.9	0	---	0	0	---	66.8	66.4	66.4	29.84	0	0	0	0.013	68.6	54	51.3	67.6	10.01	0.074	229	1	100	10
11/30/2014	5:30 AM	66.8	66.8	66.8	61	52.9	0	---	0	0	---	66.8	66.4	66.4	29.847	0	0	0	0.013	68.6	54	51.3	67.6	10.01	0.074	229	1	100	10
11/30/2014	5:40 AM	66.7	66.8	66.7	61	52.8	0	---	0	0	---	66.7	66.2	66.2	29.85	0	0	0	0.012	68.4	54	51.1	67.4	10.01	0.074	230	1	100	10
11/30/2014	5:50 AM	66.7	66.8	66.7	61	52.8	0	---	0	0	---	66.7	66.2	66.2	29.85	0	0	0	0.012	68.4	54	51.1	67.4	10.01	0.074	225	1	98.7	10
11/30/2014	6:00 AM	66.7	66.7	66.7	61	52.8	0	---	0	0	---	66.7	66.2	66.2	29.852	0	0	0	0.012	68.4	54	51.1	67.4	10.01	0.074	230	1	100	10
11/30/2014	6:10 AM	66.7	66.7	66.7	61	52.8	0	---	0	0	---	66.7	66.2	66.2	29.853	0	0	0	0.012	68.4	54	51.1	67.4	10.01	0.074	230	1	100	10
11/30/2014	6:20 AM	66.7	66.7	66.7	61	52.8	0	---	0	0	---	66.7	66.2	66.2	29.862	0	0	0	0.012	68.4	54	51.1	67.4	10.01	0.0741	229	1	100	10
11/30/2014	6:30 AM	66.6	66.7	66.6	61	52.7	0	---	0	0	---	66.6	66.1	66.1	29.859	0	0	0	0.011	68.4	54	51.1	67.4	10.01	0.074	227	1	99.6	10
11/30/2014	6:40 AM	66.6	66.7	66.6	61	52.7	0	---	0	0	---	66.6	66.1	66.1	29.868	0	0	0	0.011	68.4	54	51.1	67.4	10.01	0.0741	231	1	100	10
11/30/2014	6:50 AM	66.6	66.6	66.6	61	52.7	0	---	0	0	---	66.6	66.1	66.1	29.871	0	0	0	0.011	68.3	54	51	67.3	10.02	0.0741	228	1	100	10
11/30/2014	7:00 AM	66.6	66.6	66.5	61	52.7	0	---	0	0	---	66.6	66.1	66.1	29.869	0	0	0	0.011	68.3	54	51	67.3	10.02	0.0741	227	1	99.6	10
11/30/2014	7:10 AM	66.5	66.6	66.5	61	52.6	0	---	0	0	---	66.5	66	66	29.876	0	0	0	0.01	68.3	54	51	67.3	10.02	0.0741	231	1	100	10
11/30/2014	7:20 AM	66.5	66.6	66.5	61	52.6	0	---	0	0	---	66.5	66	66	29.88	0	0	0	0.01	68.3	54	51	67.3	10.02	0.0741	225	1	98.7	10
11/30/2014	7:30 AM	66.5	66.5	66.5	61	52.6	0	---	0	0	---	66.5	66	66	29.88	0	0	0	0.01	68.3	54	51	67.3	10.02	0.0741	230	1	100	10
11/30/2014	7:40 AM	66.5	66.5	66.5	61	52.6	0	---	0	0	---	66.5	66	66	29.879	0	0	0	0.01	68.3	54	51	67.3	10.02	0.0741	227	1	99.6	10
11/30/2014	7:50 AM	66.5	66.5	66.4	61	52.6	0	---	0	0	---	66.5	66	66	29.873	0	0	0	0.01	68.3	54	51	67.3	10.02	0.0741	229	1	100	10
11/30/2014	8:00 AM	66.4	66.5	66.4	61	52.5	0	---	0	0	---	66.4	65.9	65.9	29.883	0	0	0	0.01	68.1	54	50.8	67.2	10.03	0.0742	227	1	99.6	10
11/30/2014	8:10 AM	66.4	66.5	66.4	61	52.5	0	---	0	0	---	66.4	65.9	65.9	29.88	0	0	0	0.01	68.1	54	50.8	67.2	10.03	0.0742	229	1	100	10
11/30/2014	8:20 AM	66.4	66.4	66.4	61	52.5	0	---	0	0	---	66.4	65.9	65.9	29.866	0	0	0	0.01	68.1	54	50.8	67.2	10.03	0.0741	228	1	100	10
11/30/2014	8:30 AM	66.3	66.4	66.3	61	52.4	0	---	0	0	---	66.3	65.8	65.8	29.881	0	0	0	0.009	68.1	54	50.8	67.2	10.03	0.0742	228	1	100	10
11/30/2014	8:40 AM	66.3	66.4	66.3	61	52.4	0	---	0	0	---	66.3	65.8	65.8	29.881	0	0	0	0.009	68.1	54	50.8	67.2	10.03	0.0742	228	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
11/30/2014	8:50 AM	66.3	66.4	66.3	61	52.4	0	---	0	0	---	66.3	65.8	65.8	29.887	0	0	0	0.009	68.1	54	50.8	67.2	10.03	0.0742	227	1	99.6	10
11/30/2014	9:00 AM	66.3	66.3	66.3	61	52.4	0	---	0	0	---	66.3	65.8	65.8	29.902	0	0	0	0.009	68.1	54	50.8	67.2	10.03	0.0742	229	1	100	10
11/30/2014	9:10 AM	66.3	66.3	66.3	61	52.4	0	---	0	0	---	66.3	65.8	65.8	29.909	0	0	0	0.009	67.9	54	50.6	67	10.03	0.0743	226	1	99.1	10
11/30/2014	9:20 AM	66.3	66.3	66.3	61	52.4	0	---	0	0	---	66.3	65.8	65.8	29.915	0	0	0	0.009	67.9	55	51.1	67.1	10.19	0.0743	230	1	100	10
11/30/2014	9:30 AM	66.3	66.3	66.2	61	52.4	0	---	0	0	---	66.3	65.8	65.8	29.91	0	0	0	0.009	67.9	55	51.1	67.1	10.19	0.0742	227	1	99.6	10
11/30/2014	9:40 AM	66.2	66.3	66.2	61	52.3	0	---	0	0	---	66.2	65.6	65.6	29.913	0	0	0	0.008	67.9	55	51.1	67.1	10.19	0.0743	230	1	100	10
11/30/2014	9:50 AM	66.2	66.3	66.2	61	52.3	0	---	0	0	---	66.2	65.6	65.6	29.913	0	0	0	0.008	67.9	55	51.1	67.1	10.19	0.0743	227	1	99.6	10
11/30/2014	10:00 AM	66.2	66.3	66.2	61	52.3	0	---	0	0	---	66.2	65.6	65.6	29.915	0	0	0	0.008	67.9	55	51.1	67.1	10.19	0.0743	229	1	100	10
11/30/2014	10:10 AM	66.2	66.3	66.2	61	52.3	0	---	0	0	---	66.2	65.6	65.6	29.918	0	0	0	0.008	67.9	55	51.1	67.1	10.19	0.0743	227	1	99.6	10
11/30/2014	10:20 AM	66.2	66.2	66.2	62	52.8	0	---	0	0	---	66.2	65.7	65.7	29.922	0	0	0	0.008	67.9	55	51.1	67.1	10.19	0.0743	229	1	100	10
11/30/2014	10:30 AM	66.2	66.3	66.2	62	52.8	0	---	0	0	---	66.2	65.7	65.7	29.918	0	0	0	0.008	67.9	55	51.1	67.1	10.19	0.0743	228	1	100	10
11/30/2014	10:40 AM	66.2	66.3	66.2	62	52.8	0	---	0	0	---	66.2	65.7	65.7	29.92	0	0	0	0.008	67.9	55	51.1	67.1	10.19	0.0743	226	1	99.1	10
11/30/2014	10:50 AM	66.2	66.2	66.2	62	52.8	0	---	0	0	---	66.2	65.7	65.7	29.921	0	0	0	0.008	67.9	55	51.1	67.1	10.19	0.0743	231	1	100	10
11/30/2014	11:00 AM	66.2	66.2	66.2	62	52.8	0	---	0	0	---	66.2	65.7	65.7	29.921	0	0	0	0.008	67.9	55	51.1	67.1	10.19	0.0743	225	1	98.7	10
11/30/2014	11:10 AM	66.2	66.2	66.2	62	52.8	0	---	0	0	---	66.2	65.7	65.7	29.915	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	230	1	100	10
11/30/2014	11:20 AM	66.2	66.3	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.915	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	226	1	99.1	10
11/30/2014	11:30 AM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.914	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	229	1	100	10
11/30/2014	11:40 AM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.906	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	225	1	98.7	10
11/30/2014	11:50 AM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.906	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	230	1	100	10
11/30/2014	12:00 PM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.902	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	228	1	100	10
11/30/2014	12:10 PM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.899	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	228	1	100	10
11/30/2014	12:20 PM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.898	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	228	1	100	10
11/30/2014	12:30 PM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.894	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	228	1	100	10
11/30/2014	12:40 PM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.892	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	230	1	100	10
11/30/2014	12:50 PM	66.2	66.2	66.1	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.895	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	226	1	99.1	10
11/30/2014	1:00 PM	66.2	66.2	66.1	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.892	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	232	1	100	10
11/30/2014	1:10 PM	66.2	66.2	66.1	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.894	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	227	1	99.6	10
11/30/2014	1:20 PM	66.2	66.2	66.1	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.894	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	229	1	100	10
11/30/2014	1:30 PM	66.2	66.2	66.1	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.889	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	226	1	99.1	10
11/30/2014	1:40 PM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.891	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	231	1	100	10
11/30/2014	1:50 PM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.892	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	226	1	99.1	10
11/30/2014	2:00 PM	66.2	66.2	66.2	63	53.2	0	---	0	0	---	66.2	65.8	65.8	29.894	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	230	1	100	10
11/30/2014	2:10 PM	66.2	66.2	66.2	64	53.7	0	---	0	0	---	66.2	65.9	65.9	29.894	0	0	0	0.008	67.9	56	51.6	67.2	10.39	0.0742	227	1	99.6	10
11/30/2014	2:20 PM	66.2	66.2	66.2	64	53.7	0	---	0	0	---	66.2	65.9	65.9	29.888	0	0	0	0.008	68.1	56	51.8	67.4	10.39	0.0741	225	1	98.7	10
11/30/2014	2:30 PM	66.2	66.2	66.2	64	53.7	0	---	0	0	---	66.2	65.9	65.9	29.898	0	0	0	0.008	68.1	57	52.3	67.5	10.59	0.0741	231	1	100	10
11/30/2014	2:40 PM	66.2	66.3	66.2	64	53.7	0	---	0	0	---	66.2	65.9	65.9	29.899	0	0	0	0.008	68.1	57	52.3	67.5	10.59	0.0741	226	1	99.1	10
11/30/2014	2:50 PM	66.3	66.3	66.2	64	53.8	0	---	0	0	---	66.3	66.1	66.1	29.899	0	0	0	0.009	68.1	57	52.3	67.5	10.59	0.0741	230	1	100	10
11/30/2014	3:00 PM	66.3	66.3	66.2	64	53.8	0	---	0	0	---	66.3	66.1	66.1	29.902	0	0	0	0.009	68.1	57	52.3	67.5	10.59	0.0742	226	1	99.1	10
11/30/2014	3:10 PM	66.3	66.3	66.2	65	54.2	0	---	0	0	---	66.3	66.2	66.2	29.902	0	0	0	0.009	68.1	57	52.3	67.5	10.59	0.0742	229	1	100	10
11/30/2014	3:20 PM	66.3	66.3	66.3	65	54.2	0	---	0	0	---	66.3	66.2	66.2	29.903	0	0	0	0.009	68.1	57	52.3	67.5	10.59	0.0742	226	1	99.1	10
11/30/2014	3:30 PM	66.3	66.3	66.3	65	54.2	0	---	0	0	---	66.3	66.2	66.2	29.908	0	0	0	0.009	68.3	57	52.5	67.6	10.58	0.0741	229	1	100	10
11/30/2014	3:40 PM	66.3	66.4	66.3	65	54.2	0	---	0	0	---	66.3	66.2	66.2	29.91	0	0	0	0.009	68.3	57	52.5	67.6	10.58	0.0741	227	1	99.6	10
11/30/2014	3:50 PM	66.3	66.4	66.3	65	54.2	0	---	0	0	---	66.3	66.2	66.2	29.916	0	0	0	0.009	68.3	58	52.9	67.7	10.75	0.0741	229	1	100	10
11/30/2014	4:00 PM	66.4	66.4	66.3	66	54.7	0	---	0	0	---	66.4	66.4	66.4	29.91	0	0	0	0.01	68.3	58	52.9	67.7	10.75	0.0741	229	1	100	10
11/30/2014	4:10 PM	66.4	66.4	66.4	66	54.7	0	---	0	0	---	66.4	66.4	66.4	29.916	0	0	0	0.01	68.3	58	52.9	67.7	10.75	0.0741	228	1	100	10
11/30/2014	4:20 PM	66.5	66.5	66.4	66	54.8	0	---	0	0	---	66.5	66.5	66.5	29.918	0	0	0	0.01	68.3	58	52.9	67.7	10.75	0.0741	230	1	100	10
11/30/2014	4:30 PM	66.5	66.5	66.4	67	55.2	0	---	0	0	---	66.5	66.6	66.6	29.923	0	0	0	0.01	68.4	58	53	67.8	10.75	0.0741	227	1	99.6	10
11/30/2014	4:40 PM	66.5	66.5	66.5	67	55.2	0	---	0	0	---	66.5	66.6	66.6	29.925	0	0	0	0.01	68.4	59	53.5	67.9	10.95	0.0741	228	1	100	10
11/30/2014	4:50 PM	66.5	66.5	66.5	67	55.2	0	---	0	0	---	66.5	66.6	66.6	29.929	0	0	0	0.01	68.4	59	53.5	67.9	10.95	0.0741	226	1	99.1	10
11/30/2014	5:00 PM	66.5	66.5	66.5	68	55.6	0	---	0	0	---	66.5	66.6	66.6	29.929	0	0	0	0.01	68.4	59	53.5	67.9	10.95	0.0741	229	1	100	10
11/30/2014	5:10 PM	66.5	66.5	66.5	68	55.6	0	---	0	0	---	66.5	66.6	66.6	29.93	0	0	0	0.01	68.4	59	53.5	67.9	10.95	0.0741	224	1	98.2	10
11/30/2014	5:20 PM	66.5	66.6	66.5	68	55.6	0	---	0	0	---	66.5	66.6	66.6	29.936	0	0	0	0.01	68.4	60	54	68	11.05	0.0741	232	1	100	10
11/30/2014	5:30 PM	66.5	66.6	66.5	68	55.6	0	---	0	0	---	66.5	66.6	66.6	29.939	0	0	0	0.01	68.6	60	54.2	68.1	11.05	0.0741	226	1	99.1	10
11/30/2014	5:40 PM	66.6	66.6	66.5	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.948	0	0	0	0.011	68.6	60	54.2	68.1	11.05	0.0741	229	1	100	10
11/30/2014	5:50 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.953	0	0	0	0.011	68.6	60	54.2	68.1	11.05	0.0741	228	1	100	10
11/30/2014	6:00 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.955	0	0	0	0.011	68.6	60	54.2	68.1	11.05	0.0741	227	1	99.6	10
11/30/2014	6:10 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.963	0	0	0	0.011	68.6	60	54.2	68.1	11.05	0.0742	229	1	100	10
11/30/2014	6:20 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.963	0	0	0	0.011	68.6	60	54.2	68.1	11.05	0.0742	229	1	100	10
11/30/2014	6:30 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.964	0	0	0	0.011	68.4	60	54	68	11.05	0.0742	231	1	100	10
11/30/2014	6:40 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.966	0	0	0	0.011	68.4	60	54	68	11.05	0.0742	225	1	98.7	10
11/30/2014	6:50 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.97	0	0	0	0.011	68.4	60	54	68	11.05	0.0742	230	1	100	10
11/30/2014	7:00 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.975	0	0	0	0.011	68.4	60	54	68	11.05	0.0742	225	1	98.7	10
11/30/2014	7:10 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.98	0	0	0	0.011	68.4	60	54	68	11.05	0.0742	226	1	99.1	10
11/30/2014	7:20 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.985	0	0	0	0.011	68.4	60	54	68	11.05	0.0743	228	1	100	10
11/30/2014	7:30 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.985	0	0	0	0.011	68.4	60	54	68	11.05	0.0743	229	1	100	10
11/30/2014	7:40 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.989	0	0	0	0.011	68.4	60	54	68	11.05	0.0743	228	1	100	10
11/30/2014	7:50 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.997	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	227	1	99.6	10
11/30/2014	8:00 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.997	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	228	1	100	10
11/30/2014	8:10 PM	66.6	66.6	66.6	69	56.1	0	---	0	0	---	66.6	66.8	66.8	29.994	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	228	1	100	10
11/30/2014	8:20 PM	66.6	66.6	66.6	68	55.7	0	---	0	0	---	66.6	66.8	66.8	29.998	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	230	1	100	10
11/30/2014	8:30 PM	66.6	66.6	66.6	69	56.1	0	---	0	0	---	66.6	66.8	66.8	30	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	227	1	99.6	10
11/30/2014	8:40 PM	66.6	66.6	66.6	69	56.1	0	---	0	0	---	66.6	66.8	66.8	30	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	229	1	100	10
11/30/2014	8:50 PM	66.6	66.6	66.6	69	56.1	0	---	0	0	---	66.6	66.8	66.8	29.996	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	226	1	99.1	10
11/30/2014	9:00 PM	66.6	66.6	66.6	69	56.1	0	---	0	0	---	66.6	66.8	66.8	29.999	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	231	1	100	10
11/30/2014	9:10 PM	66.6	66.6	66.5	68	55.7	0	---	0	0	---	66.6	66.8	66.8	30.005	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	226	1	99.1	10
11/30/2014	9:20 PM	66.6	66.6	66.5	69	56.1	0	---	0	0	---	66.6	66.8	66.8	30.015	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	229	1	100	10
11/30/2014	9:30 PM	66.6	66.6	66.5	69	56.1	0	---	0	0	---	66.6	66.8	66.8	30.019	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	229	1	100	10
11/30/2014	9:40 PM	66.6	66.6	66.5	69	56.1	0	---	0	0	---	66.6	66.8	66.8	30.02	0	0	0	0.011	68.4	61	54.4	68.1	11.25	0.0743	228	1	100	10
11/30/2014	9:50 PM	66.5	66.6	66.5	69	56	0	---	0	0	---	66.5	66.7	66.7	30.022	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0743	230	1	100	10
11/30/2014	10:00 PM	66.5	66.6	66.5	69	56	0	---	0	0	---	66.5	66.7	66.7	30.023	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0743	227	1	99.6	10
11/30/2014	10:10 PM	66.5	66.5	66.5	69	56	0	---	0	0	---	66.5	66.7	66.7	30.022	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0743	231	1	100	10
11/30/2014	10:20 PM	66.5	66.5	66.5	69	56	0	---	0	0	---	66.5	66.7	66.7	30.025	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0743	225	1	98.7	10
11/30/2014	10:30 PM	66.5	66.5	66.5	69	56	0	---	0	0	---	66.5	66.7	66.7	30.027	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0743	231	1	100	10
11/30/2014	10:40 PM	66.5	66.5	66.5	69	56	0	---	0	0	---	66.5	66.7	66.7	30.027	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0743	226	1	99.1	10
11/30/2014	10:50 PM	66.5	66.5	66.5	69	56	0	---	0	0	---	66.5	66.7	66.7	30.026	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0743	229	1	100	10
11/30/2014	11:00 PM	66.5	66.5	66.5	69	56	0	---	0	0	---	66.5	66.7	66.7	30.027	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0743	226	1	99.1	10
11/30/2014	11:10 PM	66.5	66.5	66.5	69	56	0	---	0	0	---	66.5	66.7	66.7	30.03	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0744	229	1	100	10
11/30/2014	11:20 PM	66.5	66.5	66.4	69	56	0	---	0	0	---	66.5	66.7	66.7	30.028	0	0	0	0.01	68.4	61	54.4	68.1	11.25	0.0743	229	1	100	10
11/30/2014	11:30 PM	66.4	66.5	66.4	69	55.9	0	---	0	0	---	66.4	66.6	66.6	30.025	0	0	0	0.01	68.3	61	54.3	68	11.25	0.0744	228	1	100	10
11/30/2014	11:40 PM	66.4	66.5	66.4	69	55.9	0	---	0	0	---	66.4	66.6	66.6	30.028	0	0	0	0.01	68.3	61	54.3	68	11.25	0.0744	228	1	100	10
11/30/2014	11:50 PM	66.4	66.5	66.4	69	55.9	0	---	0	0	---	66.4	66.6	66.6	30.023	0	0	0	0.01	68.3	61	54.3	68	11.25	0.0744	228	1	100	10
12/1/2014	12:10 AM	66.4	66.5	66.4	69	55.9	0	---	0	0	---	66.4	66.6	66.6	30.024	0	0	0	0.01	68.3	61	54.3	68	11.25	0.0744	226	1	99.1	10
12/1/2014	12:20 AM	66.4	66.4	66.4	69	55.9	0	---	0	0	---	66.4	66.6	66.6	30.021	0	0	0	0.01	68.3	61	54.3	68	11.25	0.0743	231	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/1/2014	12:30 AM	66.4	66.4	66.4	69	55.9	0	---	0	0	---	66.4	66.6	66.6	30.021	0	0	0	0.01	68.3	61	54.3	68	11.25	0.0743	225	1	98.7	10
12/1/2014	12:40 AM	66.4	66.4	66.4	69	55.9	0	---	0	0	---	66.4	66.6	66.6	30.022	0	0	0	0.01	68.3	61	54.3	68	11.25	0.0744	229	1	100	10
12/1/2014	12:50 AM	66.4	66.4	66.3	69	55.9	0	---	0	0	---	66.4	66.6	66.6	30.022	0	0	0	0.01	68.3	61	54.3	68	11.25	0.0744	227	1	99.6	10
12/1/2014	1:00 AM	66.3	66.4	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.024	0	0	0	0.009	68.3	61	54.3	68	11.25	0.0744	230	1	100	10
12/1/2014	1:10 AM	66.3	66.4	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.03	0	0	0	0.009	68.3	61	54.3	68	11.25	0.0744	227	1	99.6	10
12/1/2014	1:20 AM	66.3	66.4	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.031	0	0	0	0.009	68.1	61	54.1	67.9	11.25	0.0744	229	1	100	10
12/1/2014	1:30 AM	66.3	66.4	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.03	0	0	0	0.009	68.1	61	54.1	67.9	11.25	0.0744	228	1	100	10
12/1/2014	1:40 AM	66.3	66.3	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.034	0	0	0	0.009	68.1	61	54.1	67.9	11.25	0.0744	226	1	99.1	10
12/1/2014	1:50 AM	66.3	66.3	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.041	0	0	0	0.009	68.1	61	54.1	67.9	11.25	0.0744	230	1	100	10
12/1/2014	2:00 AM	66.3	66.3	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.045	0	0	0	0.009	68.1	61	54.1	67.9	11.25	0.0744	228	1	100	10
12/1/2014	2:10 AM	66.3	66.3	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.043	0	0	0	0.009	68.1	61	54.1	67.9	11.25	0.0744	230	1	100	10
12/1/2014	2:20 AM	66.3	66.3	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.043	0	0	0	0.009	68.1	61	54.1	67.9	11.25	0.0744	225	1	98.7	10
12/1/2014	2:30 AM	66.3	66.3	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	30.045	0	0	0	0.009	68.1	61	54.1	67.9	11.25	0.0744	231	1	100	10
12/1/2014	2:40 AM	66.2	66.3	66.2	69	55.7	0	---	0	0	---	66.2	66.4	66.4	30.045	0	0	0	0.008	68.1	61	54.1	67.9	11.25	0.0744	227	1	99.6	10
12/1/2014	2:50 AM	66.2	66.3	66.2	69	55.7	0	---	0	0	---	66.2	66.4	66.4	30.048	0	0	0	0.008	68.1	61	54.1	67.9	11.25	0.0745	229	1	100	10
12/1/2014	3:00 AM	66.2	66.3	66.2	69	55.7	0	---	0	0	---	66.2	66.4	66.4	30.046	0	0	0	0.008	68.1	61	54.1	67.9	11.25	0.0744	227	1	99.6	10
12/1/2014	3:10 AM	66.2	66.2	66.2	69	55.7	0	---	0	0	---	66.2	66.4	66.4	30.047	0	0	0	0.008	68.1	61	54.1	67.9	11.25	0.0745	229	1	100	10
12/1/2014	3:20 AM	66.2	66.2	66.2	69	55.7	0	---	0	0	---	66.2	66.4	66.4	30.046	0	0	0	0.008	68.1	61	54.1	67.9	11.25	0.0744	228	1	100	10
12/1/2014	3:30 AM	66.2	66.2	66.2	69	55.7	0	---	0	0	---	66.2	66.4	66.4	30.045	0	0	0	0.008	68.1	61	54.1	67.9	11.25	0.0744	228	1	100	10
12/1/2014	3:40 AM	66.1	66.2	66.1	69	55.6	0	---	0	0	---	66.1	66.2	66.2	30.045	0	0	0	0.008	68.1	61	54.1	67.9	11.25	0.0744	229	1	100	10
12/1/2014	3:50 AM	66.1	66.2	66.1	69	55.6	0	---	0	0	---	66.1	66.2	66.2	30.045	0	0	0	0.008	68.1	61	54.1	67.9	11.25	0.0744	227	1	99.6	10
12/1/2014	4:00 AM	66.1	66.2	66.1	69	55.6	0	---	0	0	---	66.1	66.2	66.2	30.044	0	0	0	0.008	68.1	61	54.1	67.9	11.25	0.0744	231	1	100	10
12/1/2014	4:10 AM	66.1	66.1	66.1	69	55.6	0	---	0	0	---	66.1	66.2	66.2	30.043	0	0	0	0.008	67.9	61	54	67.7	11.25	0.0745	224	1	98.2	10
12/1/2014	4:20 AM	66.1	66.1	66.1	69	55.6	0	---	0	0	---	66.1	66.2	66.2	30.045	0	0	0	0.008	67.9	61	54	67.7	11.25	0.0745	230	1	100	10
12/1/2014	4:30 AM	66.1	66.1	66.1	69	55.6	0	---	0	0	---	66.1	66.2	66.2	30.043	0	0	0	0.008	67.9	61	54	67.7	11.25	0.0745	228	1	100	10
12/1/2014	4:40 AM	66.1	66.1	66.1	69	55.6	0	---	0	0	---	66.1	66.2	66.2	30.046	0	0	0	0.008	67.9	61	54	67.7	11.25	0.0745	231	1	100	10
12/1/2014	4:50 AM	66	66.1	66	69	55.5	0	---	0	0	---	66	66.1	66.1	30.044	0	0	0	0.007	67.9	61	54	67.7	11.25	0.0745	228	1	100	10
12/1/2014	5:00 AM	66	66.1	66	69	55.5	0	---	0	0	---	66	66.1	66.1	30.044	0	0	0	0.007	67.9	61	54	67.7	11.25	0.0745	228	1	100	10
12/1/2014	5:10 AM	66	66	66	69	55.5	0	---	0	0	---	66	66.1	66.1	30.048	0	0	0	0.007	67.9	61	54	67.7	11.25	0.0745	230	1	100	10
12/1/2014	5:20 AM	66	66	66	69	55.5	0	---	0	0	---	66	66.1	66.1	30.058	0	0	0	0.007	67.9	61	54	67.7	11.25	0.0745	225	1	98.7	10
12/1/2014	5:30 AM	66	66	66	69	55.5	0	---	0	0	---	66	66.1	66.1	30.059	0	0	0	0.007	67.9	61	54	67.7	11.25	0.0745	230	1	100	10
12/1/2014	5:40 AM	66	66	65.9	70	55.9	0	---	0	0	---	66	66.2	66.2	30.06	0	0	0	0.007	67.8	62	54.3	67.7	11.39	0.0745	227	1	99.6	10
12/1/2014	5:50 AM	65.9	66	65.9	70	55.8	0	---	0	0	---	65.9	66.1	66.1	30.061	0	0	0	0.006	67.8	62	54.3	67.7	11.39	0.0745	229	1	100	10
12/1/2014	6:00 AM	65.7	65.9	65.7	71	56	0	---	0	0	---	65.7	65.9	65.9	30.062	0	0	0	0.005	67.5	63	54.5	67.4	11.6	0.0746	227	1	99.6	10
12/1/2014	6:10 AM	65.4	65.7	65.4	71	55.7	0	---	0	0	---	65.4	65.5	65.5	30.053	0	0	0	0.003	67.3	63	54.3	67.2	11.6	0.0746	230	1	100	10
12/1/2014	6:20 AM	65.1	65.4	65.1	73	56.2	0	---	0	0	---	65.1	65.3	65.3	30.053	0	0	0	0.001	67.1	64	54.5	67	11.71	0.0746	227	1	99.6	10
12/1/2014	6:30 AM	65	65.2	65	73	56.1	0	---	0	0	---	65	65.2	65.2	30.059	0	0	0	0	66.8	65	54.7	66.8	11.91	0.0746	228	1	100	10
12/1/2014	6:40 AM	64.9	65	64.9	73	56	0	---	0	0	---	64.9	65.1	65.1	30.062	0	0	0.001	0	66.8	65	54.7	66.8	11.91	0.0747	228	1	100	10
12/1/2014	6:50 AM	64.1	64.9	64.1	74	55.6	0	N	0	1	NNE	64.1	64.2	64.2	30.055	0.05	14.77	0.006	0	66.5	66	54.8	66.5	12.15	0.0747	228	1	100	10
12/1/2014	7:00 AM	61.4	64	61.4	79	54.8	0	---	0	0	---	61.4	61.4	61.4	30.065	0	0.04	0.025	0	65.7	67	54.4	65.6	12.44	0.0748	228	1	100	10
12/1/2014	7:10 AM	60.1	61.4	60.1	83	54.9	0	---	0	0	---	60.1	60.1	60.1	30.067	0	0	0.034	0	65.3	67	54.1	65.2	12.44	0.0749	227	1	99.6	10
12/1/2014	7:20 AM	59.5	60.1	59.5	85	55	0	---	0	0	---	59.5	59.5	59.5	30.065	0	0	0.038	0	65	68	54.2	64.9	12.75	0.0749	225	1	98.7	10
12/1/2014	7:30 AM	59.4	59.5	59.4	86	55.2	0	---	0	0	---	59.4	59.5	59.5	30.075	0	0	0.039	0	64.9	68	54.1	64.8	12.75	0.075	225	1	98.7	10
12/1/2014	7:40 AM	59.6	59.6	59.4	86	55.4	0	---	0	0	---	59.6	59.7	59.7	30.081	0	0	0.038	0	64.9	69	54.5	64.8	13.05	0.075	228	1	100	10
12/1/2014	7:50 AM	59.8	59.8	59.6	86	55.6	0	---	0	0	---	59.8	59.9	59.9	30.081	0	0	0.036	0	64.7	69	54.3	64.6	13.04	0.075	225	1	98.7	10
12/1/2014	8:00 AM	60.2	60.2	59.8	86	56	0	---	0	0	---	60.2	60.4	60.4	30.081	0	0	0.033	0	64.9	69	54.5	64.8	13.05	0.075	230	1	100	10
12/1/2014	8:10 AM	60.6	60.6	60.2	85	56.1	0	---	0	0	---	60.6	60.8	60.8	30.081	0	0	0.031	0	64.9	69	54.5	64.8	13.05	0.075	227	1	99.6	10
12/1/2014	8:20 AM	61	61	60.6	85	56.5	0	---	0	0	---	61	61.2	61.2	30.082	0	0	0.028	0	64.9	69	54.5	64.8	13.05	0.075	228	1	100	10
12/1/2014	8:30 AM	61.6	61.6	61	84	56.7	0	---	0	0	---	61.6	61.8	61.8	30.087	0	0	0.024	0	65	69	54.6	64.9	13.05	0.075	227	1	99.6	10
12/1/2014	8:40 AM	62.1	62.1	61.6	84	57.2	0	---	0	0	---	62.1	62.4	62.4	30.091	0	0	0.02	0	65.2	69	54.8	65.2	13.04	0.0749	226	1	99.1	10
12/1/2014	8:50 AM	62.6	62.6	62.1	82	57	0	---	0	0	---	62.6	62.9	62.9	30.097	0	0	0.017	0	65.3	69	54.9	65.3	13.04	0.0749	232	1	100	10
12/1/2014	9:00 AM	63	63	62.6	81	57.1	0	---	0	0	---	63	63.3	63.3	30.09	0	0	0.014	0	65.5	69	55.1	65.5	13.03	0.0749	225	1	98.7	10
12/1/2014	9:10 AM	63.4	63.4	63	80	57.1	0	---	0	0	---	63.4	63.8	63.8	30.092	0	0	0.011	0	65.5	69	55.1	65.5	13.03	0.0749	229	1	100	10
12/1/2014	9:20 AM	63.9	63.9	63.4	79	57.3	0	---	0	0	---	63.9	64.3	64.3	30.093	0	0	0.008	0	65.7	69	55.2	65.8	13.02	0.0749	226	1	99.1	10
12/1/2014	9:30 AM	64.3	64.3	63.9	78	57.3	0	---	0	0	---	64.3	64.7	64.7	30.086	0	0	0.005	0	65.7	69	55.2	65.8	13.02	0.0748	225	1	98.7	10
12/1/2014	9:40 AM	64.3	64.4	64.3	79	57.6	0	---	0	0	---	64.3	64.8	64.8	30.091	0	0	0.005	0	65.8	69	55.3	65.9	13.02	0.0748	227	1	99.6	10
12/1/2014	9:50 AM	64.2	64.3	64.2	80	57.9	0	---	0	0	---	64.2	64.7	64.7	30.092	0	0	0.006	0	66	70	55.9	66.2	13.31	0.0748	227	1	99.6	10
12/1/2014	10:00 AM	64.3	64.3	64.2	80	58	0	SE	0	1	SE	64.3	64.9	64.9	30.094	0	0	0.005	0	66.2	70	56.1	66.4	13.3	0.0748	226	1	99.1	10
12/1/2014	10:10 AM	64.5	64.5	64.3	79	57.8	0	---	0	0	---	64.5	65	65	30.09	0	0	0.003	0	66.3	70	56.2	66.6	13.3	0.0747	223	1	97.8	10
12/1/2014	10:20 AM	64.7	64.7	64.5	78	57.7	0	---	0	0	---	64.7	65.2	65.2	30.087	0	0	0.002	0	66.3	69	55.8	66.5	13	0.0747	229	1	100	10
12/1/2014	10:30 AM	65	65	64.7	77	57.6	0	SE	0	1	SE	65	65.5	65.5	30.082	0	0	0	0	66.3	69	55.8	66.5	13	0.0747	225	1	98.7	10
12/1/2014	10:40 AM	65.4	65.4	65	76	57.6	0	SE	0	3	SSE	65.4	65.9	65.9	30.075	0	0	0	0.003	66.5	69	56	66.7	12.99	0.0747	229	1	100	10
12/1/2014	10:50 AM	65.7	65.7	65.4	74	57.2	0	SE	0	1	SE	65.7	66.1	66.1	30.078	0	0	0	0.005	66.6	69	56.1	66.8	12.99	0.0747	227	1	99.6	10
12/1/2014	11:00 AM	65.9	65.9	65.7	74	57.4	0	E	0	1	SE	65.9	66.3	66.3	30.073	0	0	0	0.006	66.8	69	56.3	67.1	12.98	0.0746	227	1	99.6	10
12/1/2014	11:10 AM	66.1	66.1	65.9	73	57.2	0	---	0	0	---	66.1	66.5	66.5	30.07	0	0	0	0.008	66.8	68	55.9	67	12.68	0.0746	225	1	98.7	10
12/1/2014	11:20 AM	66.6	66.6	66.1	71	56.9	0	SE	0	2	SE	66.6	67	67	30.058	0	0	0	0.011	67	68	56.1	67.2	12.67	0.0746	227	1	99.6	10
12/1/2014	11:30 AM	66.9	66.9	66.6	71	57.2	0	---	0	0	---	66.9	67.3	67.3	30.054	0	0	0	0.013	67.1	68	56.2	67.4	12.67	0.0745	225	1	98.7	10
12/1/2014	11:40 AM	67.1	67.1	66.9	70	57	0	---	0	0	---	67.1	67.5	67.5	30.054	0	0	0	0.015	67.3	68	56.4	67.6	12.66	0.0745	229	1	100	10
12/1/2014	11:50 AM	67.2	67.3	67.1	69	56.7	0	SSE	0	1	SSE	67.2	67.6	67.6	30.055	0	0	0	0.015	67.5	67	56.2	67.8	12.4	0.0745	226	1	99.1	10
12/1/2014	12:00 PM	67.4	67.4	67.2	69	56.9	0	---	0	0	---	67.4	67.8	67.8	30.05	0	0	0	0.017	67.6	67	56.2	67.9	12.4	0.0744	229	1	100	10
12/1/2014	12:10 PM	67.9	67.9	67.4	68	56.9	0	---	0	0	---	67.9	68.3	68.3	30.037	0	0	0	0.02	67.8	67	56.4	68.1	12.39	0.0744	228	1	100	10
12/1/2014	12:20 PM	68.1	68.1	67.9	67	56.7	0	---	0	0	---	68.1	68.4	68.4	30.033	0	0	0	0.022	67.8	66	56	68	12.15	0.0744	226	1	99.1	10
12/1/2014	12:30 PM	68.4	68.4	68.1	66	56.6	0	---	0	0	---	68.4	68.6	68.6	30.026	0	0	0	0.024	67.8	66	56	68	12.15	0.0744	231	1	100	10
12/1/2014	12:40 PM	68.5	68.6	68.4	65	56.3	0	---	0	0	---	68.5	68.6	68.6	30.011	0	0	0	0.024	67.8	66	56	68	12.15	0.0743	226	1	99.1	10
12/1/2014	12:50 PM	68.6	68.6	68.4	66	56.8	0	---	0	0	---	68.6	68.7	68.7	30.006	0	0	0	0.025	67.8	66	56	68	12.15	0.0743	230	1	100	10
12/1/2014	1:00 PM	68.6	68.7	68.6	66	56.8	0	---	0	0	---	68.6	68.7	68.7	30.001	0	0	0	0.025	67.9	65	55.7	68.1	11.89	0.0743	227	1	99.6	10
12/1/2014	1:10 PM	68.6	68.7	68.5	69	58	0	---	0	0	---	68.6	69	69	30.001	0	0	0	0.025	67.9	66	56.1	68.2	12.15	0.0743	228	1	100	10
12/1/2014	1:20 PM	67.7	68.6	67.7	71	58	0	---	0	0	---	67.7	68.3	68.3	29.995	0	0	0	0.019	68.1	66	56.3	68.4	12.15	0.0742	227	1	99.6	10
12/1/2014	1:30 PM	67	67.7	66.9	72	57.7	0	NW	0	2	NW	67	67.5	67.5	29.997	0	0	0	0.014	68.1	67	56.7	68.4	12.39	0.0742	227	1	99.6	10
12/1/2014	1:40 PM	66.4	66.9	66.4	72	57.1	0	NNW	0	1	NNW	66.4	66.8	66.8	29.997	0	0	0	0.01	68.3	67	56.9	68.6	12.38	0.0742	227	1	99.6	10
12/1/2014	1:50 PM	66.2	66.4	66.2	73	57.3	0	NW	0	1	NW	66.2	66.6	66.6	29.995	0	0	0	0.008	68.3	66	56.5	68.5	12.15	0.0742	228	1	100	10
12/1/2014	2:00 PM	66	66.2	66	74	57.5	0	---	0	0	---	66	66.4	66.4	29.989	0	0	0	0.007	68.4	66	56.6	68.6	12.15	0.0742	227	1	99.6	10
12/1/2014	2:10 PM	65.9	66	65.9	74	57.4	0	---	0	0	---	65.9	66.3	66.3	29.989	0	0	0	0.006	68.4	66	56.6	68.6	12.15	0.0742	228	1	100	10
12/1/2014	2:20 PM	66	66	65.9	74	57.5	0	---	0	0	---	66	66.4	66.4	29.991	0	0	0	0.007	68.4	66	56.6	68.6	12.15	0.0742	224	1	98.2	10
12/1/2014	2:30 PM	66	66.1	66	74	57.5	0	---	0	0	---	66	66.4	66.4	29.988	0	0	0	0.007	68.4	66	56.6	68.6	12.15	0.0742	227	1	99.6	10
12/1/2014	2:40 PM	65.8	66	65.8	74	57.3	0	NNW	0	1	NNW	65.8	66.2	66.2	29.988	0	0	0	0.006	68.4	66	56.6	68.6	12.15	0.0742	227	1	99.6	10
12/1/2014	2:50 PM	65.6	65.8	65.6	74	57.1	0	NW	0	2	NW	65.6	66	66	29.988	0	0	0	0.004	68.3	66	56.5	68.5	12.15	0.0742	227	1	99.6	10
12/1/2014	3:00 PM	65.4	65.6	65.4	75	57.3	0	NNW	0	1	NNW	65.4	65.8	65.8	29.984	0	0	0	0.003	68.4	66	56.6	68.6	12.15	0.0742	227	1	99.6	10
12/1/2014	3:10 PM	65.4	65.5	65.4	74	56.9	0	---	0	0	---	65.4	65.7	65.7	29.987	0	0	0	0.003	68.4	66	56.6	68.6	12.15	0.0742	223	1	97.8	10
12/1/2014	3:20 PM	65.5	65.5	65.4	74	57	0	---	0	0	---	65.5	65.8	65.8	29.974	0	0	0	0.003	68.4	66	56.6	68.6	12.15	0.0741	227	1	99.6	10
12/1/2014	3:30 PM	65.5	65.5	65.5	74	57	0	---	0	0	---	65.5	65.8	65.8	29.967	0	0	0	0.003	68.4	66	56.6	68.6	12.15	0.0741	223	1	97.8	10
12/1/2014	3:40 PM	65.7	65.7	65.5	74	57.2	0	---	0	0	---	65.7	66.1	66.1	29.959	0	0	0	0.005	68.4	66	56.6	68.6	12.15	0.0741	228	1	100	10
12/1/2014	3:50 PM	65.8	65.8	65.7	75	57.7	0	---	0	0	---	65.8	66.3	66.3	29.953	0	0	0	0.006	68.4	66	56.6	68.6	12.15	0.0741	223	1	97.8	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/1/2014	4:00 PM	65.7	65.8	65.7	75	57.6	0	---	0	0	---	65.7	66.1	66.1	29.951	0	0	0	0.005	68.4	66	56.6	68.6	12.15	0.0741	226	1	99.1	10
12/1/2014	4:10 PM	65.7	65.7	65.7	75	57.6	0	---	0	0	---	65.7	66.1	66.1	29.945	0	0	0	0.005	68.3	66	56.5	68.5	12.15	0.0741	230	1	100	10
12/1/2014	4:20 PM	65.6	65.7	65.6	75	57.5	0	N	0	1	N	65.6	66	66	29.946	0	0	0	0.004	68.3	66	56.5	68.5	12.15	0.0741	226	1	99.1	10
12/1/2014	4:30 PM	65.6	65.7	65.6	76	57.8	0	---	0	0	---	65.6	66.1	66.1	29.945	0.01	0	0	0.004	68.3	67	56.9	68.6	12.38	0.0741	230	1	100	10
12/1/2014	4:40 PM	65.7	65.7	65.6	76	57.9	0	---	0	0	---	65.7	66.2	66.2	29.945	0	0	0	0.005	68.3	67	56.9	68.6	12.38	0.0741	225	1	98.7	10
12/1/2014	4:50 PM	65.9	65.9	65.7	76	58.1	0	---	0	0	---	65.9	66.5	66.5	29.95	0	0	0	0.006	68.3	67	56.9	68.6	12.38	0.0741	229	1	100	10
12/1/2014	5:00 PM	66	66	65.9	75	57.8	0	---	0	0	---	66	66.5	66.5	29.955	0	0	0	0.007	68.3	66	56.5	68.5	12.15	0.0741	227	1	99.6	10
12/1/2014	5:10 PM	66.1	66.1	66	75	57.9	0	---	0	0	---	66.1	66.6	66.6	29.96	0	0	0	0.008	68.3	66	56.5	68.5	12.15	0.0741	228	1	100	10
12/1/2014	5:20 PM	66.2	66.2	66.1	74	57.7	0	---	0	0	---	66.2	66.7	66.7	29.954	0	0	0	0.008	68.3	66	56.5	68.5	12.15	0.0741	227	1	99.6	10
12/1/2014	5:30 PM	66.3	66.3	66.2	74	57.8	0	---	0	0	---	66.3	66.8	66.8	29.96	0	0	0	0.009	68.4	66	56.6	68.6	12.15	0.0741	228	1	100	10
12/1/2014	5:40 PM	66.4	66.4	66.3	74	57.9	0	---	0	0	---	66.4	66.9	66.9	29.962	0	0	0	0.01	68.4	66	56.6	68.6	12.15	0.0741	226	1	99.1	10
12/1/2014	5:50 PM	66.5	66.5	66.4	73	57.6	0	---	0	0	---	66.5	67	67	29.963	0	0	0	0.01	68.4	66	56.6	68.6	12.15	0.0741	227	1	99.6	10
12/1/2014	6:00 PM	66.5	66.5	66.5	73	57.6	0	---	0	0	---	66.5	67	67	29.97	0	0	0	0.01	68.4	65	56.2	68.5	11.88	0.0741	227	1	99.6	10
12/1/2014	6:10 PM	66.6	66.6	66.5	73	57.7	0	---	0	0	---	66.6	67.1	67.1	29.978	0	0	0	0.011	68.4	65	56.2	68.5	11.88	0.0742	227	1	99.6	10
12/1/2014	6:20 PM	66.6	66.7	66.6	73	57.7	0	---	0	0	---	66.6	67.1	67.1	29.979	0	0	0	0.011	68.4	65	56.2	68.5	11.88	0.0742	230	1	100	10
12/1/2014	6:30 PM	66.7	66.7	66.6	73	57.8	0	---	0	0	---	66.7	67.2	67.2	29.979	0	0	0	0.012	68.6	65	56.4	68.6	11.88	0.0741	225	1	98.7	10
12/1/2014	6:40 PM	66.7	66.7	66.6	72	57.4	0	---	0	0	---	66.7	67.2	67.2	29.969	0	0	0	0.012	68.6	65	56.4	68.6	11.88	0.0741	228	1	100	10
12/1/2014	6:50 PM	66.7	66.7	66.7	72	57.4	0	---	0	0	---	66.7	67.2	67.2	29.971	0	0	0	0.012	68.6	65	56.4	68.6	11.88	0.0741	226	1	99.1	10
12/1/2014	7:00 PM	66.7	66.7	66.7	72	57.4	0	---	0	0	---	66.7	67.2	67.2	29.967	0	0	0	0.012	68.6	65	56.4	68.6	11.88	0.0741	230	1	100	10
12/1/2014	7:10 PM	66.7	66.8	66.7	72	57.4	0	---	0	0	---	66.7	67.2	67.2	29.964	0	0	0	0.012	68.6	65	56.4	68.6	11.88	0.0741	225	1	98.7	10
12/1/2014	7:20 PM	66.7	66.8	66.7	72	57.4	0	---	0	0	---	66.7	67.2	67.2	29.963	0	0	0	0.012	68.6	64	55.9	68.5	11.68	0.0741	230	1	100	10
12/1/2014	7:30 PM	66.7	66.8	66.7	71	57	0	---	0	0	---	66.7	67.1	67.1	29.971	0	0	0	0.012	68.6	64	55.9	68.5	11.68	0.0741	226	1	99.1	10
12/1/2014	7:40 PM	66.8	66.8	66.7	71	57.1	0	---	0	0	---	66.8	67.2	67.2	29.973	0	0	0	0.013	68.6	64	55.9	68.5	11.68	0.0741	228	1	100	10
12/1/2014	7:50 PM	66.7	66.8	66.7	71	57	0	---	0	0	---	66.7	67.1	67.1	29.972	0	0	0	0.012	68.6	64	55.9	68.5	11.68	0.0741	229	1	100	10
12/1/2014	8:00 PM	66.8	66.8	66.7	71	57.1	0	---	0	0	---	66.8	67.2	67.2	29.975	0	0	0	0.013	68.4	64	55.7	68.4	11.68	0.0742	226	1	99.1	10
12/1/2014	8:10 PM	66.7	66.8	66.7	71	57	0	---	0	0	---	66.7	67.1	67.1	29.975	0	0	0	0.012	68.4	64	55.7	68.4	11.68	0.0742	228	1	100	10
12/1/2014	8:20 PM	66.7	66.7	66.7	71	57	0	---	0	0	---	66.7	67.1	67.1	29.973	0	0	0	0.012	68.4	64	55.7	68.4	11.68	0.0742	226	1	99.1	10
12/1/2014	8:30 PM	66.7	66.7	66.7	71	57	0	---	0	0	---	66.7	67.1	67.1	29.969	0	0	0	0.012	68.4	64	55.7	68.4	11.68	0.0741	227	1	99.6	10
12/1/2014	8:40 PM	66.7	66.7	66.7	70	56.6	0	---	0	0	---	66.7	67	67	29.962	0	0	0	0.012	68.4	64	55.7	68.4	11.68	0.0741	226	1	99.1	10
12/1/2014	8:50 PM	66.7	66.7	66.7	70	56.6	0	---	0	0	---	66.7	67	67	29.96	0	0	0	0.012	68.4	64	55.7	68.4	11.68	0.0741	228	1	100	10
12/1/2014	9:00 PM	66.7	66.7	66.7	70	56.6	0	---	0	0	---	66.7	67	67	29.961	0	0	0	0.012	68.4	64	55.7	68.4	11.68	0.0741	225	1	98.7	10
12/1/2014	9:10 PM	66.7	66.7	66.7	70	56.6	0	---	0	0	---	66.7	67	67	29.96	0	0	0	0.012	68.4	64	55.7	68.4	11.68	0.0741	229	1	100	10
12/1/2014	9:20 PM	66.6	66.7	66.6	70	56.5	0	---	0	0	---	66.6	66.9	66.9	29.957	0	0	0	0.011	68.4	64	55.7	68.4	11.68	0.0741	227	1	99.6	10
12/1/2014	9:30 PM	66.6	66.7	66.6	70	56.5	0	---	0	0	---	66.6	66.9	66.9	29.961	0	0	0	0.011	68.4	64	55.7	68.4	11.68	0.0741	229	1	100	10
12/1/2014	9:40 PM	66.6	66.7	66.6	70	56.5	0	---	0	0	---	66.6	66.9	66.9	29.959	0	0	0	0.011	68.3	64	55.6	68.3	11.68	0.0741	225	1	98.7	10
12/1/2014	9:50 PM	66.6	66.6	66.6	70	56.5	0	---	0	0	---	66.6	66.9	66.9	29.96	0	0	0	0.011	68.3	63	55.2	68.2	11.58	0.0742	228	1	100	10
12/1/2014	10:00 PM	66.6	66.6	66.6	70	56.5	0	---	0	0	---	66.6	66.9	66.9	29.967	0	0	0	0.011	68.3	63	55.2	68.2	11.58	0.0742	227	1	99.6	10
12/1/2014	10:10 PM	66.6	66.6	66.5	70	56.5	0	---	0	0	---	66.6	66.9	66.9	29.972	0	0	0	0.011	68.3	63	55.2	68.2	11.58	0.0742	225	1	98.7	10
12/1/2014	10:20 PM	66.5	66.6	66.5	70	56.4	0	---	0	0	---	66.5	66.8	66.8	29.97	0	0	0	0.01	68.3	63	55.2	68.2	11.58	0.0742	229	1	100	10
12/1/2014	10:30 PM	66.5	66.6	66.5	70	56.4	0	---	0	0	---	66.5	66.8	66.8	29.964	0	0	0	0.01	68.3	63	55.2	68.2	11.58	0.0742	225	1	98.7	10
12/1/2014	10:40 PM	66.5	66.5	66.5	70	56.4	0	---	0	0	---	66.5	66.8	66.8	29.959	0	0	0	0.01	68.3	63	55.2	68.2	11.58	0.0742	226	1	99.1	10
12/1/2014	10:50 PM	66.5	66.5	66.5	70	56.4	0	---	0	0	---	66.5	66.8	66.8	29.955	0	0	0	0.01	68.1	63	55	68.1	11.59	0.0742	225	1	98.7	10
12/1/2014	11:00 PM	66.4	66.5	66.4	70	56.3	0	---	0	0	---	66.4	66.7	66.7	29.96	0	0	0	0.01	68.1	63	55	68.1	11.59	0.0742	228	1	100	10
12/1/2014	11:10 PM	66.4	66.5	66.4	70	56.3	0	---	0	0	---	66.4	66.7	66.7	29.955	0	0	0	0.01	68.1	63	55	68.1	11.59	0.0742	227	1	99.6	10
12/1/2014	11:20 PM	66.4	66.5	66.4	70	56.3	0	---	0	0	---	66.4	66.7	66.7	29.955	0	0	0	0.01	68.1	63	55	68.1	11.59	0.0742	228	1	100	10
12/1/2014	11:30 PM	66.3	66.4	66.3	70	56.2	0	---	0	0	---	66.3	66.6	66.6	29.951	0	0	0	0.009	68.1	63	55	68.1	11.59	0.0742	227	1	99.6	10
12/1/2014	11:40 PM	66.3	66.4	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	29.95	0	0	0	0.009	68.1	63	55	68.1	11.59	0.0742	228	1	100	10
12/1/2014	11:50 PM	66.3	66.3	66.3	69	55.8	0	---	0	0	---	66.3	66.5	66.5	29.94	0	0	0	0.009	67.9	63	54.8	67.9	11.59	0.0742	228	1	100	10
12/2/2014	12:10 AM	66.2	66.3	66.2	69	55.7	0	---	0	0	---	66.2	66.4	66.4	29.927	0	0	0	0.008	67.9	63	54.8	67.9	11.59	0.0742	228	1	100	10
12/2/2014	12:20 AM	66.2	66.2	66.2	69	55.7	0	---	0	0	---	66.2	66.4	66.4	29.924	0	0	0	0.008	67.9	63	54.8	67.9	11.59	0.0741	228	1	100	10
12/2/2014	12:30 AM	66.2	66.2	66.1	68	55.3	0	---	0	0	---	66.2	66.3	66.3	29.914	0	0	0	0.008	67.8	62	54.3	67.7	11.39	0.0742	229	1	100	10
12/2/2014	12:40 AM	66.1	66.2	66.1	68	55.2	0	---	0	0	---	66.1	66.2	66.2	29.907	0	0	0	0.008	67.8	62	54.3	67.7	11.39	0.0741	226	1	99.1	10
12/2/2014	12:50 AM	66.1	66.1	66.1	68	55.2	0	---	0	0	---	66.1	66.2	66.2	29.905	0	0	0	0.008	67.8	62	54.3	67.7	11.39	0.0741	229	1	100	10
12/2/2014	1:00 AM	66	66.1	66	68	55.1	0	---	0	0	---	66	66	66	29.896	0	0	0	0.007	67.8	62	54.3	67.7	11.39	0.0741	226	1	99.1	10
12/2/2014	1:10 AM	66	66.1	66	68	55.1	0	---	0	0	---	66	66	66	29.893	0	0	0	0.007	67.6	62	54.1	67.4	11.4	0.0741	228	1	100	10
12/2/2014	1:20 AM	66	66	65.9	67	54.7	0	---	0	0	---	66	66	66	29.892	0	0	0	0.007	67.6	62	54.1	67.4	11.4	0.0741	226	1	99.1	10
12/2/2014	1:30 AM	65.9	66	65.9	67	54.6	0	---	0	0	---	65.9	65.8	65.8	29.888	0	0	0	0.006	67.6	62	54.1	67.4	11.4	0.0741	228	1	100	10
12/2/2014	1:40 AM	65.9	65.9	65.9	67	54.6	0	---	0	0	---	65.9	65.8	65.8	29.889	0	0	0	0.006	67.6	61	53.7	67.3	11.25	0.0741	230	1	100	10
12/2/2014	1:50 AM	65.9	65.9	65.9	67	54.6	0	---	0	0	---	65.9	65.8	65.8	29.878	0	0	0	0.006	67.6	61	53.7	67.3	11.25	0.0741	227	1	99.6	10
12/2/2014	2:00 AM	65.8	65.9	65.8	67	54.5	0	---	0	0	---	65.8	65.7	65.7	29.866	0	0	0	0.006	67.6	61	53.7	67.3	11.25	0.0741	227	1	99.6	10
12/2/2014	2:10 AM	65.8	65.9	65.8	67	54.5	0	---	0	0	---	65.8	65.7	65.7	29.856	0	0	0	0.006	67.5	61	53.6	67.2	11.25	0.0741	222	1	97.4	10
12/2/2014	2:20 AM	65.8	65.8	65.8	66	54.1	0	---	0	0	---	65.8	65.7	65.7	29.849	0	0	0	0.006	67.5	61	53.6	67.2	11.25	0.0741	231	1	100	10
12/2/2014	2:30 AM	65.8	65.8	65.8	66	54.1	0	---	0	0	---	65.8	65.7	65.7	29.846	0	0	0	0.006	67.5	61	53.6	67.2	11.25	0.0741	224	1	98.2	10
12/2/2014	2:40 AM	65.7	65.8	65.7	66	54	0	---	0	0	---	65.7	65.5	65.5	29.846	0	0	0	0.005	67.5	61	53.6	67.2	11.25	0.0741	229	1	100	10
12/2/2014	2:50 AM	65.7	65.8	65.7	66	54	0	---	0	0	---	65.7	65.5	65.5	29.845	0	0	0	0.005	67.5	60	53.1	67.1	11.05	0.0741	227	1	99.6	10
12/2/2014	3:00 AM	65.7	65.7	65.7	66	54	0	---	0	0	---	65.7	65.5	65.5	29.843	0	0	0	0.005	67.5	60	53.1	67.1	11.05	0.0741	228	1	100	10
12/2/2014	3:10 AM	65.7	65.7	65.7	66	54	0	---	0	0	---	65.7	65.5	65.5	29.836	0	0	0	0.005	67.5	60	53.1	67.1	11.05	0.074	225	1	98.7	10
12/2/2014	3:20 AM	65.6	65.7	65.6	66	53.9	0	---	0	0	---	65.6	65.4	65.4	29.837	0	0	0	0.004	67.3	60	52.9	66.9	11.05	0.0741	228	1	100	10
12/2/2014	3:30 AM	65.6	65.7	65.6	66	53.9	0	---	0	0	---	65.6	65.4	65.4	29.823	0	0	0	0.004	67.3	60	52.9	66.9	11.05	0.074	230	1	100	10
12/2/2014	3:40 AM	65.6	65.6	65.6	66	53.9	0	---	0	0	---	65.6	65.4	65.4	29.827	0	0	0	0.004	67.3	60	52.9	66.9	11.05	0.0741	226	1	99.1	10
12/2/2014	3:50 AM	65.6	65.6	65.6	66	53.9	0	---	0	0	---	65.6	65.4	65.4	29.819	0	0	0	0.004	67.3	60	52.9	66.9	11.05	0.074	226	1	99.1	10
12/2/2014	4:00 AM	65.6	65.6	65.6	65	53.5	0	---	0	0	---	65.6	65.4	65.4	29.815	0	0	0	0.004	67.3	60	52.9	66.9	11.05	0.074	226	1	99.1	10
12/2/2014	4:10 AM	65.6	65.6	65.5	65	53.5	0	---	0	0	---	65.6	65.4	65.4	29.82	0	0	0	0.004	67.3	60	52.9	66.9	11.05	0.074	229	1	100	10
12/2/2014	4:20 AM	65.5	65.6	65.5	65	53.4	0	---	0	0	---	65.5	65.3	65.3	29.821	0	0	0	0.003	67.3	60	52.9	66.9	11.05	0.074	226	1	99.1	10
12/2/2014	4:30 AM	65.5	65.6	65.5	65	53.4	0	---	0	0	---	65.5	65.3	65.3	29.825	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.0741	228	1	100	10
12/2/2014	4:40 AM	65.5	65.5	65.5	65	53.4	0	---	0	0	---	65.5	65.3	65.3	29.823	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.0741	226	1	99.1	10
12/2/2014	4:50 AM	65.5	65.5	65.5	65	53.4	0	---	0	0	---	65.5	65.3	65.3	29.824	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.0741	228	1	100	10
12/2/2014	5:00 AM	65.5	65.5	65.5	65	53.4	0	---	0	0	---	65.5	65.3	65.3	29.831	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.0741	227	1	99.6	10
12/2/2014	5:10 AM	65.5	65.5	65.4	65	53.4	0	---	0	0	---	65.5	65.3	65.3	29.822	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.0741	226	1	99.1	10
12/2/2014	5:20 AM	65.4	65.5	65.4	65	53.3	0	---	0	0	---	65.4	65.1	65.1	29.813	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.074	228	1	100	10
12/2/2014	5:30 AM	65.5	65.5	65.4	65	53.4	0	---	0	0	---	65.5	65.3	65.3	29.812	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.074	228	1	100	10
12/2/2014	5:40 AM	65.4	65.5	65.4	65	53.3	0	---	0	0	---	65.4	65.1	65.1	29.812	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.074	228	1	100	10
12/2/2014	5:50 AM	65.4	65.5	65.4	65	53.3	0	---	0	0	---	65.4	65.1	65.1	29.811	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.074	226	1	99.1	10
12/2/2014	6:00 AM	65.4	65.4	65.4	65	53.3	0	---	0	0	---	65.4	65.1	65.1	29.816	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.074	230	1	100	10
12/2/2014	6:10 AM	65.4	65.4	65.4	65	53.3	0	---	0	0	---	65.4	65.1	65.1	29.818	0	0	0	0.003	67.1	59	52.3	66.5	10.95	0.0741	223	1	97.8	10
12/2/2014	6:20 AM	65.4	65.4	65.4	64	52.9	0	---	0	0	---	65.4	65	65	29.817	0	0	0	0.003	67.1	59	52.3	66.5	10.95	0.0741	230	1	100	10
12/2/2014	6:30 AM	65.4	65.4	65.4	64	52.9	0	---	0	0	---	65.4	65	65	29.82	0	0	0	0.003	67.3	58	52	66.7	10.75	0.0741	227	1	99.6	10
12/2/2014	6:40 AM	65.4	65.4	65.4	64	52.9	0	---	0	0	---	65.4	65	65	29.855	0	0	0	0.003	67.3	58	52	66.7	10.75	0.0742	229	1	100	10
12/2/2014	6:50 AM	65.4	65.4	65.4	64	52.9	0	---	0	0	---	65.4	65	65	29.86	0	0	0	0.003	67.3	58	52	66.7	10.75	0.0742	228	1	100	10
12/2/2014	7:00 AM	65.4	65.5	65.4	64	52.9	0	---	0	0	---	65.4	65	65	29.869	0	0	0	0.003	67.3	58	52	66.7	10.75	0.0742	227	1	99.6	10
12/2/2014	7:10 AM	65.5	65.5	65.4	65	53.4	0	---	0	0	---	65.5	65.3	65.3	29.879	0	0	0	0.003	67.3	58	52	66.7	10.75	0.0742	227	1	99.6	10
12/2/2014	7:20 AM	65.5	65.5	65.5	65	53.4	0	---	0	0	---	65.5	65.3	65.3	29.879	0	0	0	0.003	67.3	59	52.5	66.8	10.95	0.0742	226	1	99.1	10
12/2/2014	7:30 AM	65	65.5	65	68	54.2	0	NE	0	2	W	65	64.9	64.9	29.872	0.02	0.18	0	0	67.3	59	52.5	66.8	10.95	0.0742	222	1	97.4	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/2/2014	7:40 AM	63.5	64.9	63.5	71	53.9	0	---	0	0	---	63.5	63.3	63.3	29.875	0	0.04	0.01	0	67.3	59	52.5	66.8	10.95	0.0742	228	1	100	10
12/2/2014	7:50 AM	62.2	63.5	62.2	75	54.2	0	SSW	0	1	W	62.2	62	62	29.876	0.02	3.2	0.019	0	67.5	60	53.1	67.1	11.05	0.0741	205	1	89.9	10
12/2/2014	8:00 AM	60.8	62.2	60.8	79	54.2	0	ENE	0	1	ENE	60.8	60.7	60.7	29.885	0	0	0.029	0	67.3	61	53.4	67	11.25	0.0742	225	1	98.7	10
12/2/2014	8:10 AM	60	60.7	60	79	53.5	0	SSE	0	1	SSE	60	59.8	59.8	29.881	0	0	0.035	0	66.6	62	53.2	66.2	11.42	0.0743	227	1	99.6	10
12/2/2014	8:20 AM	59.8	60	59.8	80	53.6	0	ESE	0	2	ESE	59.8	59.7	59.7	29.879	0	0	0.036	0	66.2	62	52.8	65.7	11.43	0.0743	227	1	99.6	10
12/2/2014	8:30 AM	59.7	59.8	59.7	82	54.2	0	SE	0	1	SE	59.7	59.7	59.7	29.884	0	0	0.037	0	65.8	63	52.9	65.4	11.63	0.0744	226	1	99.1	10
12/2/2014	8:40 AM	59.5	59.7	59.5	83	54.3	0	SE	0	3	SE	59.5	59.5	59.5	29.883	0.01	0	0.038	0	65.7	64	53.2	65.4	11.74	0.0744	228	1	100	10
12/2/2014	8:50 AM	59.5	59.5	59.5	83	54.3	0	SE	0	3	SE	59.5	59.5	59.5	29.887	0	0	0.038	0	65.5	64	53	65.2	11.74	0.0745	225	1	98.7	10
12/2/2014	9:00 AM	59.5	59.5	59.5	84	54.7	0	---	0	0	---	59.5	59.5	59.5	29.902	0	0	0.038	0	65.5	65	53.4	65.3	11.94	0.0745	229	1	100	10
12/2/2014	9:10 AM	59.1	59.5	59.1	86	54.9	0	---	0	0	---	59.1	59.1	59.1	29.928	0.01	0	0.041	0	65.5	66	53.8	65.3	12.15	0.0745	224	1	98.2	10
12/2/2014	9:20 AM	58.8	59.1	58.8	88	55.3	0	---	0	0	---	58.8	58.9	58.9	29.933	0.02	0.11	0.043	0	65.5	67	54.2	65.4	12.44	0.0745	229	1	100	10
12/2/2014	9:30 AM	58.7	58.8	58.6	90	55.8	0	---	0	0	---	58.7	58.9	58.9	29.933	0	0.06	0.044	0	65.3	68	54.5	65.2	12.74	0.0745	229	1	100	10
12/2/2014	9:40 AM	58.7	58.7	58.6	90	55.8	0	---	0	0	---	58.7	58.9	58.9	29.925	0	0	0.044	0	65.3	68	54.5	65.2	12.74	0.0745	227	1	99.6	10
12/2/2014	9:50 AM	58.8	58.8	58.7	90	55.9	0	---	0	0	---	58.8	59	59	29.914	0.02	0.08	0.043	0	65.3	69	54.9	65.3	13.04	0.0745	226	1	99.1	10
12/2/2014	10:00 AM	58.8	58.9	58.8	90	55.9	0	---	0	0	---	58.8	59	59	29.913	0	0.06	0.043	0	65.3	68	54.5	65.2	12.74	0.0745	225	1	98.7	10
12/2/2014	10:10 AM	58.6	58.8	58.6	90	55.7	0	ESE	0	1	SE	58.6	58.8	58.8	29.91	0	0	0.044	0	65.3	69	54.9	65.3	13.04	0.0745	227	1	99.6	10
12/2/2014	10:20 AM	58.4	58.7	58.4	90	55.5	0	SE	0	1	SE	58.4	58.5	58.5	29.906	0.03	0.23	0.046	0	65.3	69	54.9	65.3	13.04	0.0745	225	1	98.7	10
12/2/2014	10:30 AM	58.2	58.4	58.2	90	55.3	0	ESE	0	3	SE	58.2	58.3	58.3	29.905	0.01	0.18	0.047	0	65.2	69	54.8	65.2	13.04	0.0745	228	1	100	10
12/2/2014	10:40 AM	58	58.2	58	91	55.4	0	SE	0	2	ENE	58	58.1	58.1	29.899	0	0.04	0.049	0	65.3	69	54.9	65.3	13.04	0.0744	227	1	99.6	10
12/2/2014	10:50 AM	58	58.1	58	91	55.4	0	ENE	0	3	ENE	58	58.1	58.1	29.892	0	0	0.049	0	65.2	69	54.8	65.2	13.04	0.0744	226	1	99.1	10
12/2/2014	11:00 AM	58	58.1	58	91	55.4	0	ESE	0	3	E	58	58.1	58.1	29.889	0	0	0.049	0	65	69	54.6	64.9	13.05	0.0745	226	1	99.1	10
12/2/2014	11:10 AM	58	58.1	58	91	55.4	0	ESE	0	3	ESE	58	58.1	58.1	29.884	0.01	0	0.049	0	64.9	70	54.9	64.9	13.35	0.0745	222	1	97.4	10
12/2/2014	11:20 AM	57.9	58	57.9	91	55.3	0	E	0	5	E	57.9	58	58	29.888	0.01	0.06	0.049	0	64.9	70	54.9	64.9	13.35	0.0745	226	1	99.1	10
12/2/2014	11:30 AM	57.8	57.9	57.8	92	55.5	0	E	0	3	NE	57.8	58	58	29.888	0.02	0.21	0.05	0	64.7	70	54.7	64.6	13.34	0.0745	224	1	98.2	10
12/2/2014	11:40 AM	58.6	58.6	57.8	93	56.6	0	---	0	0	---	58.6	58.9	58.9	29.87	0	0.04	0.044	0	65	77	57.6	65.5	15.35	0.0743	229	1	100	10
12/2/2014	11:50 AM	59.5	59.5	58.6	93	57.5	0	---	0	0	---	59.5	59.8	59.8	29.865	0	0	0.038	0	65.3	74	56.8	65.6	14.25	0.0743	229	1	100	10
12/2/2014	12:00 PM	60.2	60.2	59.5	92	57.9	0	---	0	0	---	60.2	60.6	60.6	29.858	0	0	0.033	0	65.5	72	56.2	65.7	13.75	0.0743	228	1	100	10
12/2/2014	12:10 PM	60.7	60.7	60.2	89	57.4	0	---	0	0	---	60.7	61	61	29.868	0	0	0.03	0	65.7	71	56	65.9	13.54	0.0743	230	1	100	10
12/2/2014	12:20 PM	61.1	61.1	60.7	88	57.5	0	---	0	0	---	61.1	61.4	61.4	29.858	0	0	0.027	0	65.8	71	56.1	66	13.53	0.0742	225	1	98.7	10
12/2/2014	12:30 PM	61.5	61.5	61.1	87	57.6	0	---	0	0	---	61.5	61.8	61.8	29.86	0	0	0.024	0	66	71	56.3	66.3	13.53	0.0742	230	1	100	10
12/2/2014	12:40 PM	61.8	61.8	61.4	86	57.6	0	---	0	0	---	61.8	62.1	62.1	29.86	0	0	0.022	0	66	70	55.9	66.2	13.31	0.0742	225	1	98.7	10
12/2/2014	12:50 PM	62.1	62.1	61.8	85	57.5	0	---	0	0	---	62.1	62.4	62.4	29.86	0	0	0.02	0	66.2	70	56.1	66.4	13.3	0.0742	230	1	100	10
12/2/2014	1:00 PM	62.4	62.4	62.1	84	57.5	0	---	0	0	---	62.4	62.8	62.8	29.865	0	0	0.018	0	66.2	70	56.1	66.4	13.3	0.0742	227	1	99.6	10
12/2/2014	1:10 PM	62.6	62.7	62.4	83	57.4	0	---	0	0	---	62.6	63	63	29.861	0	0	0.017	0	66.2	70	56.1	66.4	13.3	0.0742	227	1	99.6	10
12/2/2014	1:20 PM	62.8	62.8	62.6	83	57.6	0	---	0	0	---	62.8	63.2	63.2	29.86	0	0	0.015	0	66.3	70	56.2	66.6	13.3	0.0742	229	1	100	10
12/2/2014	1:30 PM	63	63	62.8	82	57.4	0	---	0	0	---	63	63.4	63.4	29.86	0	0	0.014	0	66.3	70	56.2	66.6	13.3	0.0742	225	1	98.7	10
12/2/2014	1:40 PM	63.1	63.1	63	82	57.5	0	---	0	0	---	63.1	63.5	63.5	29.857	0	0	0.013	0	66.3	69	55.8	66.5	13	0.0742	231	1	100	10
12/2/2014	1:50 PM	63.2	63.2	63.1	82	57.6	0	---	0	0	---	63.2	63.6	63.6	29.856	0	0	0.012	0	66.3	69	55.8	66.5	13	0.0742	226	1	99.1	10
12/2/2014	2:00 PM	63.3	63.3	63.2	82	57.7	0	---	0	0	---	63.3	63.7	63.7	29.866	0	0	0.012	0	66.3	69	55.8	66.5	13	0.0742	230	1	100	10
12/2/2014	2:10 PM	63.3	63.4	63.3	81	57.4	0	---	0	0	---	63.3	63.7	63.7	29.86	0	0	0.012	0	66.3	69	55.8	66.5	13	0.0742	226	1	99.1	10
12/2/2014	2:20 PM	63.4	63.4	63.3	81	57.5	0	---	0	0	---	63.4	63.8	63.8	29.86	0	0	0.011	0	66.3	69	55.8	66.5	13	0.0742	228	1	100	10
12/2/2014	2:30 PM	63.4	63.5	63.4	80	57.1	0	---	0	0	---	63.4	63.8	63.8	29.858	0	0	0.011	0	66.3	69	55.8	66.5	13	0.0742	226	1	99.1	10
12/2/2014	2:40 PM	63.5	63.5	63.4	80	57.2	0	---	0	0	---	63.5	63.9	63.9	29.859	0	0	0.01	0	66.5	69	56	66.7	12.99	0.0741	228	1	100	10
12/2/2014	2:50 PM	63.6	63.6	63.5	80	57.3	0	---	0	0	---	63.6	64	64	29.86	0	0	0.01	0	66.5	69	56	66.7	12.99	0.0741	228	1	100	10
12/2/2014	3:00 PM	63.6	63.6	63.5	80	57.3	0	---	0	0	---	63.6	64	64	29.858	0	0	0.01	0	66.5	69	56	66.7	12.99	0.0741	228	1	100	10
12/2/2014	3:10 PM	63.6	63.6	63.6	80	57.3	0	---	0	0	---	63.6	64	64	29.863	0	0	0.01	0	66.5	69	56	66.7	12.99	0.0741	228	1	100	10
12/2/2014	3:20 PM	63.6	63.7	63.6	80	57.3	0	---	0	0	---	63.6	64	64	29.862	0	0	0.01	0	66.3	69	55.8	66.5	13	0.0742	225	1	98.7	10
12/2/2014	3:30 PM	63.7	63.7	63.6	80	57.4	0	---	0	0	---	63.7	64.1	64.1	29.867	0	0	0.009	0	66.3	69	55.8	66.5	13	0.0742	228	1	100	10
12/2/2014	3:40 PM	63.7	63.7	63.6	80	57.4	0	---	0	0	---	63.7	64.1	64.1	29.871	0	0	0.009	0	66.3	69	55.8	66.5	13	0.0742	225	1	98.7	10
12/2/2014	3:50 PM	63.7	63.7	63.6	79	57.1	0	---	0	0	---	63.7	64.1	64.1	29.874	0	0	0.009	0	66.3	69	55.8	66.5	13	0.0742	227	1	99.6	10
12/2/2014	4:00 PM	63.7	63.8	63.7	79	57.1	0	---	0	0	---	63.7	64.1	64.1	29.89	0	0	0.009	0	66.3	69	55.8	66.5	13	0.0742	223	1	97.8	10
12/2/2014	4:10 PM	63.8	63.8	63.7	79	57.2	0	---	0	0	---	63.8	64.2	64.2	29.881	0	0	0.008	0	66.3	69	55.8	66.5	13	0.0742	228	1	100	10
12/2/2014	4:20 PM	63.8	63.8	63.8	79	57.2	0	---	0	0	---	63.8	64.2	64.2	29.873	0	0	0.008	0	66.3	69	55.8	66.5	13	0.0742	229	1	100	10
12/2/2014	4:30 PM	63.8	63.8	63.8	79	57.2	0	---	0	0	---	63.8	64.2	64.2	29.855	0	0	0.008	0	66.3	69	55.8	66.5	13	0.0742	228	1	100	10
12/2/2014	4:40 PM	63.8	63.9	63.8	78	56.8	0	---	0	0	---	63.8	64.1	64.1	29.849	0	0	0.008	0	66.3	69	55.8	66.5	13	0.0741	229	1	100	10
12/2/2014	4:50 PM	63.9	63.9	63.8	78	56.9	0	---	0	0	---	63.9	64.2	64.2	29.856	0	0	0.008	0	66.3	69	55.8	66.5	13	0.0742	225	1	98.7	10
12/2/2014	5:00 PM	63.8	63.9	63.8	78	56.8	0	---	0	0	---	63.8	64.1	64.1	29.858	0	0	0.008	0	66.3	69	55.8	66.5	13	0.0742	231	1	100	10
12/2/2014	5:10 PM	63.9	63.9	63.8	78	56.9	0	---	0	0	---	63.9	64.2	64.2	29.863	0	0	0.008	0	66.3	69	55.8	66.5	13	0.0742	223	1	97.8	10
12/2/2014	5:20 PM	63.9	63.9	63.8	78	56.9	0	---	0	0	---	63.9	64.2	64.2	29.869	0	0	0.008	0	66.3	68	55.4	66.4	12.7	0.0742	230	1	100	10
12/2/2014	5:30 PM	63.9	63.9	63.8	78	56.9	0	---	0	0	---	63.9	64.2	64.2	29.864	0	0	0.008	0	66.3	68	55.4	66.4	12.7	0.0742	227	1	99.6	10
12/2/2014	5:40 PM	63.9	63.9	63.8	78	56.9	0	---	0	0	---	63.9	64.2	64.2	29.866	0	0	0.008	0	66.3	68	55.4	66.4	12.7	0.0742	229	1	100	10
12/2/2014	5:50 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.867	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	227	1	99.6	10
12/2/2014	6:00 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.877	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	227	1	99.6	10
12/2/2014	6:10 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.879	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	229	1	100	10
12/2/2014	6:20 PM	63.8	63.9	63.8	77	56.4	0	---	0	0	---	63.8	64	64	29.869	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	228	1	100	10
12/2/2014	6:30 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.878	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	228	1	100	10
12/2/2014	6:40 PM	63.8	63.9	63.8	77	56.4	0	---	0	0	---	63.8	64	64	29.858	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	226	1	99.1	10
12/2/2014	6:50 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.86	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	230	1	100	10
12/2/2014	7:00 PM	63.8	63.9	63.8	77	56.4	0	---	0	0	---	63.8	64	64	29.871	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	227	1	99.6	10
12/2/2014	7:10 PM	63.8	63.9	63.8	77	56.4	0	---	0	0	---	63.8	64	64	29.869	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	230	1	100	10
12/2/2014	7:20 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.876	0	0	0.008	0	66.2	68	55.3	66.3	12.7	0.0742	228	1	100	10
12/2/2014	7:30 PM	63.8	63.9	63.8	77	56.4	0	---	0	0	---	63.8	64	64	29.883	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	228	1	100	10
12/2/2014	7:40 PM	63.8	63.9	63.8	77	56.4	0	---	0	0	---	63.8	64	64	29.88	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	228	1	100	10
12/2/2014	7:50 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.877	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	228	1	100	10
12/2/2014	8:00 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.876	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	228	1	100	10
12/2/2014	8:10 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.875	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	226	1	99.1	10
12/2/2014	8:20 PM	63.9	63.9	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.88	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	229	1	100	10
12/2/2014	8:30 PM	63.9	63.9	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.88	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	226	1	99.1	10
12/2/2014	8:40 PM	63.9	63.9	63.8	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.88	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	229	1	100	10
12/2/2014	8:50 PM	63.9	63.9	63.8	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.886	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	225	1	98.7	10
12/2/2014	9:00 PM	63.8	63.9	63.8	76	56.1	0	---	0	0	---	63.8	63.9	63.9	29.889	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	230	1	100	10
12/2/2014	9:10 PM	63.9	63.9	63.8	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.896	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	228	1	100	10
12/2/2014	9:20 PM	63.9	63.9	63.8	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.892	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	228	1	100	10
12/2/2014	9:30 PM	63.9	63.9	63.8	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.891	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	229	1	100	10
12/2/2014	9:40 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.893	0	0	0.008	0	66	68	55.1	66	12.71	0.0743	226	1	99.1	10
12/2/2014	9:50 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.887	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	230	1	100	10
12/2/2014	10:00 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.886	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	228	1	100	10
12/2/2014	10:10 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.888	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	228	1	100	10
12/2/2014	10:20 PM	63.9	63.9	63.8	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.89	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	226	1	99.1	10
12/2/2014	10:30 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.89	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	230	1	100	10
12/2/2014	10:40 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.892	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0744	228	1	100	10
12/2/2014	10:50 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.895	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0744	227	1	99.6	10
12/2/2014	11:00 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.898	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0744	227	1	99.6	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/2/2014	11:10 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.895	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0744	228	1	100	10
12/2/2014	11:20 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.898	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0744	229	1	100	10
12/2/2014	11:30 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.896	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0744	225	1	98.7	10
12/2/2014	11:40 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.896	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0744	230	1	100	10
12/2/2014	11:50 PM	63.9	63.9	63.9	76	56.2	0	---	0	0	---	63.9	64.1	64.1	29.901	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0744	227	1	99.6	10
12/3/2014	12:10 AM	63.9	63.9	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.89	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	223	1	97.8	10
12/3/2014	12:20 AM	63.9	63.9	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.891	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0744	229	1	100	10
12/3/2014	12:30 AM	63.9	63.9	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.885	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	226	1	99.1	10
12/3/2014	12:40 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.886	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	228	1	100	10
12/3/2014	12:50 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.883	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	228	1	100	10
12/3/2014	1:00 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.882	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	227	1	99.6	10
12/3/2014	1:10 AM	63.9	63.9	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.884	0	0	0.008	0	65.8	68	54.9	65.8	12.72	0.0743	229	1	100	10
12/3/2014	1:20 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.87	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	226	1	99.1	10
12/3/2014	1:30 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.88	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	231	1	100	10
12/3/2014	1:40 AM	63.9	63.9	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.884	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	226	1	99.1	10
12/3/2014	1:50 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.882	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	228	1	100	10
12/3/2014	2:00 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.882	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	228	1	100	10
12/3/2014	2:10 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.885	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	226	1	99.1	10
12/3/2014	2:20 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.884	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	228	1	100	10
12/3/2014	2:30 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.885	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	226	1	99.1	10
12/3/2014	2:40 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.883	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	230	1	100	10
12/3/2014	2:50 AM	64	64	63.9	77	56.6	0	---	0	0	---	64	64.3	64.3	29.882	0	0	0.007	0	65.8	69	55.3	65.9	13.02	0.0743	227	1	99.6	10
12/3/2014	3:00 AM	64	64	63.9	77	56.6	0	---	0	0	---	64	64.3	64.3	29.885	0	0	0.007	0	65.8	69	55.3	65.9	13.02	0.0743	230	1	100	10
12/3/2014	3:10 AM	63.9	64	63.9	77	56.5	0	---	0	0	---	63.9	64.1	64.1	29.883	0	0	0.008	0	65.8	69	55.3	65.9	13.02	0.0743	227	1	99.6	10
12/3/2014	3:20 AM	64	64	63.9	77	56.6	0	---	0	0	---	64	64.3	64.3	29.885	0	0	0.007	0	65.8	69	55.3	65.9	13.02	0.0743	228	1	100	10
12/3/2014	3:30 AM	64	64	63.9	77	56.6	0	---	0	0	---	64	64.3	64.3	29.882	0	0	0.007	0	65.8	69	55.3	65.9	13.02	0.0743	227	1	99.6	10
12/3/2014	3:40 AM	64	64	63.9	77	56.6	0	---	0	0	---	64	64.3	64.3	29.884	0	0	0.007	0	65.8	69	55.3	65.9	13.02	0.0743	228	1	100	10
12/3/2014	3:50 AM	64	64	63.9	77	56.6	0	---	0	0	---	64	64.3	64.3	29.883	0	0	0.007	0	65.8	69	55.3	65.9	13.02	0.0743	227	1	99.6	10
12/3/2014	4:00 AM	64	64	63.9	77	56.6	0	---	0	0	---	64	64.3	64.3	29.88	0	0	0.007	0	65.8	69	55.3	65.9	13.02	0.0743	229	1	100	10
12/3/2014	4:10 AM	64	64	63.9	77	56.6	0	---	0	0	---	64	64.3	64.3	29.877	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	228	1	100	10
12/3/2014	4:20 AM	64	64	64	77	56.6	0	---	0	0	---	64	64.3	64.3	29.871	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	227	1	99.6	10
12/3/2014	4:30 AM	64	64	64	77	56.6	0	---	0	0	---	64	64.3	64.3	29.871	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	228	1	100	10
12/3/2014	4:40 AM	64	64	64	78	57	0	---	0	0	---	64	64.3	64.3	29.872	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	227	1	99.6	10
12/3/2014	4:50 AM	64	64	64	78	57	0	---	0	0	---	64	64.3	64.3	29.87	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	230	1	100	10
12/3/2014	5:00 AM	64	64	64	78	57	0	---	0	0	---	64	64.3	64.3	29.873	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	225	1	98.7	10
12/3/2014	5:10 AM	64	64	64	78	57	0	---	0	0	---	64	64.3	64.3	29.88	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	227	1	99.6	10
12/3/2014	5:20 AM	64	64	64	78	57	0	---	0	0	---	64	64.3	64.3	29.881	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	226	1	99.1	10
12/3/2014	5:30 AM	64	64.1	64	78	57	0	---	0	0	---	64	64.3	64.3	29.885	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	224	1	98.2	10
12/3/2014	5:40 AM	64	64.1	64	78	57	0	---	0	0	---	64	64.3	64.3	29.887	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	228	1	100	10
12/3/2014	5:50 AM	64	64	64	78	57	0	---	0	0	---	64	64.3	64.3	29.889	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	228	1	100	10
12/3/2014	6:00 AM	64	64.1	64	78	57	0	---	0	0	---	64	64.3	64.3	29.889	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	230	1	100	10
12/3/2014	6:10 AM	64	64.1	64	78	57	0	---	0	0	---	64	64.3	64.3	29.887	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	225	1	98.7	10
12/3/2014	6:20 AM	64.1	64.1	64	78	57.1	0	---	0	0	---	64.1	64.5	64.5	29.887	0	0	0.006	0	65.8	70	55.7	66	13.32	0.0743	229	1	100	10
12/3/2014	6:30 AM	64	64.1	64	78	57	0	---	0	0	---	64	64.3	64.3	29.887	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	227	1	99.6	10
12/3/2014	6:40 AM	64	64.1	64	78	57	0	---	0	0	---	64	64.3	64.3	29.887	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	230	1	100	10
12/3/2014	6:50 AM	64	64.1	64	78	57	0	---	0	0	---	64	64.3	64.3	29.886	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	227	1	99.6	10
12/3/2014	7:00 AM	64	64.1	64	78	57	0	---	0	0	---	64	64.3	64.3	29.892	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0743	229	1	100	10
12/3/2014	7:10 AM	64	64.1	64	78	57	0	---	0	0	---	64	64.3	64.3	29.904	0	0	0.007	0	65.8	70	55.7	66	13.32	0.0744	227	1	99.6	10
12/3/2014	7:20 AM	64.1	64.1	64	78	57.1	0	---	0	0	---	64.1	64.5	64.5	29.891	0	0	0.006	0	65.8	70	55.7	66	13.32	0.0743	230	1	100	10
12/3/2014	7:30 AM	64.1	64.1	64	79	57.5	0	---	0	0	---	64.1	64.5	64.5	29.895	0	0	0.006	0	65.8	70	55.7	66	13.32	0.0743	228	1	100	10
12/3/2014	7:40 AM	64.1	64.1	64.1	80	57.8	0	---	0	0	---	64.1	64.6	64.6	29.896	0	0	0.006	0	65.8	71	56.1	66	13.53	0.0743	229	1	100	10
12/3/2014	7:50 AM	64.1	64.2	64.1	81	58.1	0	---	0	0	---	64.1	64.6	64.6	29.902	0	0	0.006	0	65.8	71	56.1	66	13.53	0.0743	228	1	100	10
12/3/2014	8:00 AM	64.2	64.2	64.1	82	58.6	0	---	0	0	---	64.2	64.8	64.8	29.905	0	0	0.006	0	65.8	72	56.5	66.1	13.75	0.0743	226	1	99.1	10
12/3/2014	8:10 AM	64.2	64.2	64.2	83	58.9	0	---	0	0	---	64.2	64.8	64.8	29.915	0	0	0.006	0	65.8	72	56.5	66.1	13.75	0.0743	229	1	100	10
12/3/2014	8:20 AM	64.2	64.2	64.2	83	58.9	0	---	0	0	---	64.2	64.8	64.8	29.927	0	0	0.006	0	66	73	57.1	66.4	14.03	0.0743	225	1	98.7	10
12/3/2014	8:30 AM	64.2	64.2	64.1	85	59.6	0	NNE	0	1	NE	64.2	64.8	64.8	29.929	0.01	0	0.006	0	66	73	57.1	66.4	14.03	0.0743	229	1	100	10
12/3/2014	8:40 AM	63.5	64.2	63.5	88	59.9	0	N	0	1	N	63.5	64.2	64.2	29.927	0	0	0.01	0	66.5	75	58.3	67.1	14.45	0.0742	227	1	99.6	10
12/3/2014	8:50 AM	63	63.6	63	89	59.7	0	---	0	0	---	63	63.7	63.7	29.925	0	0	0.014	0	66.3	74	57.8	66.8	14.25	0.0742	230	1	100	10
12/3/2014	9:00 AM	62.7	63	62.7	90	59.7	0	---	0	0	---	62.7	63.3	63.3	29.929	0	0	0.016	0	66	76	58.2	66.6	14.83	0.0743	225	1	98.7	10
12/3/2014	9:10 AM	62.6	62.7	62.6	90	59.6	0	---	0	0	---	62.6	63.2	63.2	29.931	0	0	0.017	0	66	76	58.2	66.6	14.83	0.0743	226	1	99.1	10
12/3/2014	9:20 AM	62.6	62.6	62.5	91	59.9	0	---	0	0	---	62.6	63.2	63.2	29.932	0	0	0.017	0	65.8	76	58	66.3	14.83	0.0743	229	1	100	10
12/3/2014	9:30 AM	62.6	62.6	62.5	91	59.9	0	SW	0	3	SW	62.6	63.2	63.2	29.929	0	0	0.017	0	65.7	76	57.9	66.2	14.84	0.0743	225	1	98.7	10
12/3/2014	9:40 AM	62.5	62.6	62.5	91	59.8	0	---	0	0	---	62.5	63.1	63.1	29.93	0	0	0.017	0	65.8	76	58	66.3	14.83	0.0743	227	1	99.6	10
12/3/2014	9:50 AM	62.6	62.6	62.5	91	59.9	0	---	0	0	---	62.6	63.2	63.2	29.924	0	0	0.017	0	65.8	77	58.4	66.4	15.29	0.0743	228	1	100	10
12/3/2014	10:00 AM	62.6	62.7	62.6	92	60.2	0	---	0	0	---	62.6	63.3	63.3	29.927	0	0	0.017	0	65.8	77	58.4	66.4	15.29	0.0743	229	1	100	10
12/3/2014	10:10 AM	62.7	62.7	62.6	91	60	0	---	0	0	---	62.7	63.4	63.4	29.925	0	0	0.016	0	65.8	77	58.4	66.4	15.29	0.0743	227	1	99.6	10
12/3/2014	10:20 AM	62.7	62.7	62.6	92	60.3	0	SSW	0	1	SSW	62.7	63.4	63.4	29.929	0.07	1.33	0.016	0	65.8	78	58.7	66.5	15.69	0.0743	229	1	100	10
12/3/2014	10:30 AM	62.9	62.9	62.7	93	60.8	0	---	0	0	---	62.9	63.6	63.6	29.922	0	0.06	0.015	0	65.8	77	58.4	66.4	15.29	0.0743	227	1	99.6	10
12/3/2014	10:40 AM	63.1	63.1	62.9	93	61	0	---	0	0	---	63.1	63.9	63.9	29.916	0	0	0.013	0	65.8	78	58.7	66.5	15.69	0.0743	228	1	100	10
12/3/2014	10:50 AM	63.3	63.3	63.1	93	61.2	0	---	0	0	---	63.3	64.1	64.1	29.911	0	0	0.012	0	66	78	58.9	66.7	15.67	0.0742	227	1	99.6	10
12/3/2014	11:00 AM	63.3	63.4	63.3	93	61.2	0	---	0	0	---	63.3	64.1	64.1	29.905	0	0	0.012	0	66	78	58.9	66.7	15.67	0.0742	227	1	99.6	10
12/3/2014	11:10 AM	63.5	63.5	63.4	93	61.4	0	---	0	0	---	63.5	64.3	64.3	29.9	0	0	0.01	0	66	78	58.9	66.7	15.67	0.0742	229	1	100	10
12/3/2014	11:20 AM	63.6	63.6	63.5	93	61.5	0	WSW	0	1	WSW	63.6	64.5	64.5	29.895	0.01	0	0.01	0	66.2	79	59.5	67.1	16.13	0.0741	226	1	99.1	10
12/3/2014	11:30 AM	63.6	63.6	63.5	93	61.5	0	---	0	0	---	63.6	64.5	64.5	29.887	0	0	0.01	0	66.2	79	59.5	67.1	16.13	0.0741	228	1	100	10
12/3/2014	11:40 AM	63.6	63.6	63.5	93	61.5	0	---	0	0	---	63.6	64.5	64.5	29.884	0	0	0.01	0	66.2	79	59.5	67.1	16.13	0.0741	224	1	98.2	10
12/3/2014	11:50 AM	63.6	63.6	63.6	93	61.5	0	SSW	0	1	SSW	63.6	64.5	64.5	29.882	0	0	0.01	0	66.3	79	59.6	67.2	16.12	0.0741	229	1	100	10
12/3/2014	12:00 PM	63.9	63.9	63.6	93	61.8	0	---	0	0	---	63.9	64.8	64.8	29.882	0	0	0.008	0	66.3	79	59.6	67.2	16.12	0.0741	227	1	99.6	10
12/3/2014	12:10 PM	64	64	63.9	93	61.9	0	---	0	0	---	64	64.9	64.9	29.879	0.01	0	0.007	0	66.3	79	59.6	67.2	16.12	0.0741	227	1	99.6	10
12/3/2014	12:20 PM	64.1	64.1	64	93	62	0	---	0	0	---	64.1	65	65	29.87	0	0	0.006	0	66.3	79	59.6	67.2	16.12	0.074	227	1	99.6	10
12/3/2014	12:30 PM	64.1	64.1	64	93	62	0	---	0	0	---	64.1	65	65	29.869	0	0	0.006	0	66.3	79	59.6	67.2	16.12	0.074	227	1	99.6	10
12/3/2014	12:40 PM	64.2	64.3	64.1	93	62.1	0	---	0	0	---	64.2	65.2	65.2	29.866	0	0	0.006	0	66.3	79	59.6	67.2	16.12	0.074	229	1	100	10
12/3/2014	12:50 PM	64.3	64.3	64.2	93	62.2	0	---	0	0	---	64.3	65.3	65.3	29.866	0	0	0.005	0	66.3	79	59.6	67.2	16.12	0.074	224	1	98.2	10
12/3/2014	1:00 PM	64.3	64.3	64.2	93	62.2	0	---	0	0	---	64.3	65.3	65.3	29.86	0	0	0.005	0	66.3	79	59.6	67.2	16.12	0.074	231	1	100	10
12/3/2014	1:10 PM	64.5	64.5	64.3	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.858	0	0	0.003	0	66.5	79	59.8	67.4	16.1	0.074	225	1	98.7	10
12/3/2014	1:20 PM	64.7	64.7	64.5	92	62.3	0	---	0	0	---	64.7	65.7	65.7	29.86	0	0	0.002	0	66.6	80	60.2	67.6	16.49	0.0739	229	1	100	10
12/3/2014	1:30 PM	64.9	64.9	64.7	92	62.5	0	---	0	0	---	64.9	66	66	29.86	0	0	0.001	0	66.8	80	60.4	67.9	16.47	0.0739	226	1	99.1	10
12/3/2014	1:40 PM	64.9	65	64.8	92	62.5	0	---	0	0	---	64.9	66	66	29.855	0	0	0.001	0	66.8	79	60.1	67.8	16.07	0.0739	229	1	100	10
12/3/2014	1:50 PM	65	65	64.9	91	62.3	0	---	0	0	---	65	66	66	29.852	0	0	0	0	67	80	60.6	68.1	16.45	0.0738	227	1	99.6	10
12/3/2014	2:00 PM	65	65	64.9	91	62.3	0	---	0	0	---	65	66	66	29.854	0	0	0	0	67.1	79	60.4	68.1	16.04	0.0738	229	1	100	10
12/3/2014	2:10 PM	64.9	65	64.9	91	62.2	0	---	0	0	---	64.9	65.9	65.9	29.851	0	0	0.001	0	67.1	79	60.4	68.1	16.04	0.0738	225	1	98.7	10
12/3/2014	2:20 PM	64.9	64.9	64.8	92	62.5	0	---	0	0	---	64.9	66	66	29.85	0	0	0.001	0	67.1	79	60.4	68.1	16.04	0.0738	227	1	99.6	10
12/3/2014	2:30 PM	64.8	64.8	64.8	92	62.4	0	---	0	0	---	64.8	65.8	65.8	29.848	0	0	0.001	0	67.1	79	60.4	68.1	16.04	0.0738	229	1	100	10
12/3/2014	2:40 PM	64.6	64.8	64.6	92	62.2	0	---	0	0	---	64.6	65.6	65.6	29.846	0	0	0.003	0	67.1	79	60.4	68.1	16.04	0.0738	226	1	99.1	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/3/2014	2:50 PM	64.7	64.7	64.6	93	62.6	0	---	0	0	---	64.7	65.8	65.8	29.848	0	0	0.002	0	67.1	79	60.4	68.1	16.04	0.0738	228	1	100	10
12/3/2014	3:00 PM	64.8	64.8	64.7	93	62.7	0	---	0	0	---	64.8	65.9	65.9	29.85	0	0	0.001	0	67.3	79	60.6	68.4	16.02	0.0738	225	1	98.7	10
12/3/2014	3:10 PM	64.8	64.9	64.8	93	62.7	0	---	0	0	---	64.8	65.9	65.9	29.847	0	0	0.001	0	67.3	80	60.9	68.5	16.42	0.0738	229	1	100	10
12/3/2014	3:20 PM	64.9	64.9	64.8	93	62.8	0	---	0	0	---	64.9	66	66	29.846	0	0	0.001	0	67.3	79	60.6	68.4	16.02	0.0738	227	1	99.6	10
12/3/2014	3:30 PM	64.9	64.9	64.9	93	62.8	0	---	0	0	---	64.9	66	66	29.847	0	0	0.001	0	67.3	80	60.9	68.5	16.42	0.0738	229	1	100	10
12/3/2014	3:40 PM	64.9	64.9	64.9	93	62.8	0	---	0	0	---	64.9	66	66	29.844	0.01	0	0.001	0	67.3	79	60.6	68.4	16.02	0.0738	226	1	99.1	10
12/3/2014	3:50 PM	64.9	64.9	64.9	93	62.8	0	---	0	0	---	64.9	66	66	29.843	0	0	0.001	0	67.5	80	61.1	68.7	16.4	0.0737	229	1	100	10
12/3/2014	4:00 PM	64.9	64.9	64.9	92	62.5	0	---	0	0	---	64.9	66	66	29.844	0	0	0.001	0	67.5	79	60.8	68.6	16	0.0737	228	1	100	10
12/3/2014	4:10 PM	64.9	64.9	64.8	93	62.8	0	---	0	0	---	64.9	66	66	29.844	0	0	0.001	0	67.6	79	60.9	68.7	15.99	0.0737	227	1	99.6	10
12/3/2014	4:20 PM	64.8	64.9	64.8	92	62.4	0	---	0	0	---	64.8	65.8	65.8	29.843	0	0	0.001	0	67.6	79	60.9	68.7	15.99	0.0737	228	1	100	10
12/3/2014	4:30 PM	64.8	64.8	64.8	92	62.4	0	---	0	0	---	64.8	65.8	65.8	29.839	0	0	0.001	0	67.6	79	60.9	68.7	15.99	0.0737	226	1	99.1	10
12/3/2014	4:40 PM	64.7	64.8	64.7	92	62.3	0	SSW	0	1	E	64.7	65.7	65.7	29.836	0.02	5.1	0.002	0	67.6	79	60.9	68.7	15.99	0.0737	228	1	100	10
12/3/2014	4:50 PM	64.7	64.7	64.7	92	62.3	0	---	0	0	---	64.7	65.7	65.7	29.84	0	0.05	0.002	0	67.9	79	61.1	69.1	15.96	0.0737	225	1	98.7	10
12/3/2014	5:00 PM	64.6	64.7	64.6	92	62.2	0	---	0	0	---	64.6	65.6	65.6	29.835	0	0	0.003	0	67.9	79	61.1	69.1	15.96	0.0736	230	1	100	10
12/3/2014	5:10 PM	64.6	64.6	64.5	92	62.2	0	---	0	0	---	64.6	65.6	65.6	29.835	0	0	0.003	0	67.8	78	60.7	68.9	15.53	0.0737	227	1	99.6	10
12/3/2014	5:20 PM	64.5	64.5	64.5	92	62.1	0	---	0	0	---	64.5	65.5	65.5	29.846	0	0	0.003	0	67.8	78	60.7	68.9	15.53	0.0737	229	1	100	10
12/3/2014	5:30 PM	64.5	64.5	64.5	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.847	0	0	0.003	0	67.8	78	60.7	68.9	15.53	0.0737	229	1	100	10
12/3/2014	5:40 PM	64.5	64.5	64.5	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.849	0	0	0.003	0	67.8	78	60.7	68.9	15.53	0.0737	229	1	100	10
12/3/2014	5:50 PM	64.5	64.5	64.4	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.855	0	0	0.003	0	67.6	77	60.1	68.6	15.14	0.0738	230	1	100	10
12/3/2014	6:00 PM	64.4	64.5	64.4	93	62.3	0	---	0	0	---	64.4	65.4	65.4	29.855	0	0	0.004	0	67.6	77	60.1	68.6	15.14	0.0738	226	1	99.1	10
12/3/2014	6:10 PM	64.4	64.5	64.4	93	62.3	0	---	0	0	---	64.4	65.4	65.4	29.848	0	0	0.004	0	67.6	77	60.1	68.6	15.14	0.0738	229	1	100	10
12/3/2014	6:20 PM	64.4	64.5	64.4	93	62.3	0	---	0	0	---	64.4	65.4	65.4	29.851	0	0	0.004	0	67.6	77	60.1	68.6	15.14	0.0738	228	1	100	10
12/3/2014	6:30 PM	64.4	64.5	64.4	93	62.3	0	---	0	0	---	64.4	65.4	65.4	29.847	0	0	0.004	0	67.6	77	60.1	68.6	15.14	0.0738	229	1	100	10
12/3/2014	6:40 PM	64.5	64.5	64.4	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.854	0	0	0.003	0	67.6	77	60.1	68.6	15.14	0.0738	227	1	99.6	10
12/3/2014	6:50 PM	64.4	64.5	64.4	93	62.3	0	---	0	0	---	64.4	65.4	65.4	29.854	0	0	0.004	0	67.6	76	59.8	68.5	14.8	0.0738	227	1	99.6	10
12/3/2014	7:00 PM	64.5	64.5	64.4	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.853	0	0	0.003	0	67.6	76	59.8	68.5	14.8	0.0738	229	1	100	10
12/3/2014	7:10 PM	64.5	64.5	64.4	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.855	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	226	1	99.1	10
12/3/2014	7:20 PM	64.5	64.5	64.4	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.86	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	228	1	100	10
12/3/2014	7:30 PM	64.5	64.5	64.4	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.861	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	228	1	100	10
12/3/2014	7:40 PM	64.5	64.5	64.5	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.861	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	229	1	100	10
12/3/2014	7:50 PM	64.5	64.5	64.5	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.862	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	225	1	98.7	10
12/3/2014	8:00 PM	64.5	64.5	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.864	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	229	1	100	10
12/3/2014	8:10 PM	64.5	64.5	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.86	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	226	1	99.1	10
12/3/2014	8:20 PM	64.5	64.5	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.852	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	229	1	100	10
12/3/2014	8:30 PM	64.5	64.5	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.856	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	228	1	100	10
12/3/2014	8:40 PM	64.5	64.5	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.856	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	231	1	100	10
12/3/2014	8:50 PM	64.5	64.5	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.851	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	227	1	99.6	10
12/3/2014	9:00 PM	64.5	64.5	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.859	0	0	0.003	0	67.5	76	59.7	68.4	14.8	0.0738	227	1	99.6	10
12/3/2014	9:10 PM	64.5	64.5	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.86	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0738	232	1	100	10
12/3/2014	9:20 PM	64.5	64.6	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.867	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	226	1	99.1	10
12/3/2014	9:30 PM	64.6	64.6	64.5	94	62.8	0	---	0	0	---	64.6	65.7	65.7	29.873	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	229	1	100	10
12/3/2014	9:40 PM	64.6	64.6	64.5	94	62.8	0	---	0	0	---	64.6	65.7	65.7	29.876	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	225	1	98.7	10
12/3/2014	9:50 PM	64.5	64.6	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.882	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	228	1	100	10
12/3/2014	10:00 PM	64.6	64.6	64.5	94	62.8	0	---	0	0	---	64.6	65.7	65.7	29.878	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	226	1	99.1	10
12/3/2014	10:10 PM	64.5	64.6	64.5	94	62.7	0	---	0	0	---	64.5	65.6	65.6	29.879	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	229	1	100	10
12/3/2014	10:20 PM	64.6	64.6	64.5	94	62.8	0	---	0	0	---	64.6	65.7	65.7	29.883	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	228	1	100	10
12/3/2014	10:30 PM	64.5	64.6	64.5	93	62.4	0	---	0	0	---	64.5	65.5	65.5	29.883	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	229	1	100	10
12/3/2014	10:40 PM	64.6	64.6	64.5	93	62.5	0	---	0	0	---	64.6	65.6	65.6	29.883	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	229	1	100	10
12/3/2014	10:50 PM	64.6	64.6	64.5	93	62.5	0	---	0	0	---	64.6	65.6	65.6	29.883	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	226	1	99.1	10
12/3/2014	11:00 PM	64.6	64.6	64.5	93	62.5	0	---	0	0	---	64.6	65.6	65.6	29.879	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	227	1	99.6	10
12/3/2014	11:10 PM	64.6	64.6	64.5	93	62.5	0	---	0	0	---	64.6	65.6	65.6	29.879	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	226	1	99.1	10
12/3/2014	11:20 PM	64.6	64.6	64.5	93	62.5	0	---	0	0	---	64.6	65.6	65.6	29.883	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	230	1	100	10
12/3/2014	11:30 PM	64.6	64.6	64.6	93	62.5	0	---	0	0	---	64.6	65.6	65.6	29.881	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	228	1	100	10
12/3/2014	11:40 PM	64.6	64.6	64.6	92	62.2	0	---	0	0	---	64.6	65.6	65.6	29.882	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	229	1	100	10
12/3/2014	11:50 PM	64.6	64.7	64.6	92	62.2	0	---	0	0	---	64.6	65.6	65.6	29.878	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	226	1	99.1	10
12/4/2014	12:10 AM	64.6	64.7	64.6	91	61.9	0	---	0	0	---	64.6	65.6	65.6	29.872	0	0	0.003	0	67.5	75	59.3	68.3	14.45	0.0739	224	1	98.2	10
12/4/2014	12:20 AM	64.7	64.7	64.6	91	62	0	---	0	0	---	64.7	65.7	65.7	29.872	0	0	0.002	0	67.5	75	59.3	68.3	14.45	0.0739	231	1	100	10
12/4/2014	12:30 AM	64.7	64.7	64.7	90	61.7	0	---	0	0	---	64.7	65.6	65.6	29.873	0	0	0.002	0	67.5	75	59.3	68.3	14.45	0.0739	227	1	99.6	10
12/4/2014	12:40 AM	64.7	64.7	64.7	90	61.7	0	---	0	0	---	64.7	65.6	65.6	29.867	0	0	0.002	0	67.5	75	59.3	68.3	14.45	0.0739	226	1	99.1	10
12/4/2014	12:50 AM	64.7	64.7	64.7	90	61.7	0	---	0	0	---	64.7	65.6	65.6	29.863	0	0	0.002	0	67.5	75	59.3	68.3	14.45	0.0739	231	1	100	10
12/4/2014	1:00 AM	64.7	64.7	64.7	89	61.4	0	---	0	0	---	64.7	65.6	65.6	29.864	0	0	0.002	0	67.5	75	59.3	68.3	14.45	0.0739	224	1	98.2	10
12/4/2014	1:10 AM	64.8	64.8	64.7	89	61.5	0	---	0	0	---	64.8	65.7	65.7	29.864	0	0	0.001	0	67.5	75	59.3	68.3	14.45	0.0739	229	1	100	10
12/4/2014	1:20 AM	64.8	64.8	64.7	88	61.2	0	---	0	0	---	64.8	65.7	65.7	29.863	0	0	0.001	0	67.5	75	59.3	68.3	14.45	0.0739	226	1	99.1	10
12/4/2014	1:30 AM	64.8	64.8	64.7	88	61.2	0	---	0	0	---	64.8	65.7	65.7	29.865	0	0	0.001	0	67.5	75	59.3	68.3	14.45	0.0739	229	1	100	10
12/4/2014	1:40 AM	64.8	64.8	64.8	88	61.2	0	---	0	0	---	64.8	65.7	65.7	29.866	0	0	0.001	0	67.5	75	59.3	68.3	14.45	0.0739	227	1	99.6	10
12/4/2014	1:50 AM	64.8	64.8	64.8	87	60.8	0	---	0	0	---	64.8	65.6	65.6	29.866	0	0	0.001	0	67.5	75	59.3	68.3	14.45	0.0739	228	1	100	10
12/4/2014	2:00 AM	64.8	64.9	64.8	87	60.8	0	---	0	0	---	64.8	65.6	65.6	29.863	0	0	0.001	0	67.5	75	59.3	68.3	14.45	0.0739	228	1	100	10
12/4/2014	2:10 AM	64.8	64.9	64.8	86	60.5	0	---	0	0	---	64.8	65.6	65.6	29.863	0	0	0.001	0	67.5	75	59.3	68.3	14.45	0.0739	226	1	99.1	10
12/4/2014	2:20 AM	64.8	64.8	64.8	86	60.5	0	---	0	0	---	64.8	65.6	65.6	29.865	0	0	0.001	0	67.5	75	59.3	68.3	14.45	0.0739	230	1	100	10
12/4/2014	2:30 AM	64.8	64.8	64.8	86	60.5	0	---	0	0	---	64.8	65.6	65.6	29.87	0	0	0.001	0	67.5	75	59.3	68.3	14.45	0.0739	227	1	99.6	10
12/4/2014	2:40 AM	64.8	64.9	64.8	86	60.5	0	---	0	0	---	64.8	65.6	65.6	29.873	0	0	0.001	0	67.3	75	59.1	68.1	14.45	0.0739	229	1	100	10
12/4/2014	2:50 AM	64.9	64.9	64.8	85	60.3	0	---	0	0	---	64.9	65.7	65.7	29.873	0	0	0.001	0	67.3	74	58.7	68	14.25	0.0739	226	1	99.1	10
12/4/2014	3:00 AM	64.8	64.9	64.8	85	60.2	0	---	0	0	---	64.8	65.6	65.6	29.874	0	0	0.001	0	67.3	74	58.7	68	14.25	0.0739	230	1	100	10
12/4/2014	3:10 AM	64.9	64.9	64.8	85	60.3	0	---	0	0	---	64.9	65.7	65.7	29.876	0	0	0.001	0	67.3	74	58.7	68	14.25	0.0739	227	1	99.6	10
12/4/2014	3:20 AM	64.8	64.9	64.8	84	59.9	0	---	0	0	---	64.8	65.5	65.5	29.875	0	0	0.001	0	67.3	74	58.7	68	14.25	0.0739	229	1	100	10
12/4/2014	3:30 AM	64.9	64.9	64.8	84	59.9	0	---	0	0	---	64.9	65.7	65.7	29.87	0	0	0.001	0	67.3	74	58.7	68	14.25	0.0739	228	1	100	10
12/4/2014	3:40 AM	64.9	64.9	64.8	84	59.9	0	---	0	0	---	64.9	65.7	65.7	29.874	0	0	0.001	0	67.3	74	58.7	68	14.25	0.0739	229	1	100	10
12/4/2014	3:50 AM	64.9	64.9	64.8	84	59.9	0	---	0	0	---	64.9	65.7	65.7	29.878	0	0	0.001	0	67.3	74	58.7	68	14.25	0.0739	228	1	100	10
12/4/2014	4:00 AM	64.9	64.9	64.8	83	59.6	0	---	0	0	---	64.9	65.6	65.6	29.879	0	0	0.001	0	67.1	74	58.5	67.8	14.25	0.074	228	1	100	10
12/4/2014	4:10 AM	64.9	64.9	64.8	83	59.6	0	---	0	0	---	64.9	65.6	65.6	29.881	0	0	0.001	0	67.1	74	58.5	67.8	14.25	0.074	228	1	100	10
12/4/2014	4:20 AM	64.8	64.9	64.8	83	59.5	0	---	0	0	---	64.8	65.5	65.5	29.886	0	0	0.001	0	67.1	74	58.5	67.8	14.25	0.074	226	1	99.1	10
12/4/2014	4:30 AM	64.8	64.9	64.8	83	59.5	0	---	0	0	---	64.8	65.5	65.5	29.885	0	0	0.001	0	67.1	74	58.5	67.8	14.25	0.074	231	1	100	10
12/4/2014	4:40 AM	64.8	64.9	64.8	82	59.2	0	---	0	0	---	64.8	65.5	65.5	29.883	0	0	0.001	0	67.1	74	58.5	67.8	14.25	0.074	227	1	99.6	10
12/4/2014	4:50 AM	64.8	64.8	64.8	82	59.2	0	---	0	0	---	64.8	65.5	65.5	29.881	0	0	0.001	0	67.1	74	58.5	67.8	14.25	0.074	230	1	100	10
12/4/2014	5:00 AM	64.8	64.8	64.8	82	59.2	0	---	0	0	---	64.8	65.5	65.5	29.879	0	0	0.001	0	67	73	58.1	67.6	14.01	0.074	226	1	99.1	10
12/4/2014	5:10 AM	64.7	64.8	64.7	82	59.1	0	---	0	0	---	64.7	65.4	65.4	29.879	0	0	0.002	0	67	73	58.1	67.6	14.01	0.074	229	1	100	10
12/4/2014	5:20 AM	64.7	64.8	64.7	81	58.7	0	---	0	0	---	64.7	65.4	65.4	29.883	0	0	0.002	0	67	73	58.1	67.6	14.01	0.074	227	1	99.6	10
12/4/2014	5:30 AM	64.7	64.7	64.7	81	58.7	0	---	0	0	---	64.7	65.4	65.4	29.883	0	0	0.002	0	67	73	58.1	67.6	14.01	0.074	228	1	100	10
12/4/2014	5:40 AM	64.7	64.7	64.7	81	58.7	0	---	0	0	---	64.7	65.4	65.4	29.881	0	0	0.002	0	67	73	58.1	67.6	14.01	0.074	230	1	100	10
12/4/2014	5:50 AM	64.6	64.7	64.6	81	58.6	0	---	0	0	---	64.6	65.2	65.2	29.884	0	0	0.003	0	66.8	73	57.9	67.3	14.01	0.0741	227	1	99.6	10
12/4/2014	6:00 AM	64.6	64.7	64.6	81	58.6	0	---	0	0	---	64.6	65.2	65.2	29.884	0	0	0.003	0	66.8	73	57.9	67.3	14.01	0.0741	229	1	100	10
12/4/2014	6:10 AM	64.6	64.6	64.6	81	58.6	0	---	0	0	---	64.6	65.2	65.2	29.888	0	0	0.003	0	66.8	73	57.9	67.3	14.01	0.0741	225	1	98.7	10
12/4/2014	6:20 AM	64.5	64.6	64.5	81	58.5	0	---	0	0	---	64.5	65.1	65.1	29.893	0	0	0.003	0	66.8	72	57.5	67.3	13.75	0.0741	229	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/4/2014	6:30 AM	64.5	64.5	64.5	80	58.2	0	---	0	0	---	64.5	65.1	65.1	29.9	0	0	0.003	0	66.8	72	57.5	67.3	13.75	0.0741	226	1	99.1	10
12/4/2014	6:40 AM	64.4	64.5	64.4	80	58.1	0	---	0	0	---	64.4	65	65	29.904	0	0	0.004	0	66.6	72	57.3	67	13.75	0.0742	230	1	100	10
12/4/2014	6:50 AM	64.4	64.5	64.4	80	58.1	0	---	0	0	---	64.4	65	65	29.906	0	0	0.004	0	66.6	72	57.3	67	13.75	0.0742	227	1	99.6	10
12/4/2014	7:00 AM	64.4	64.4	64.4	80	58.1	0	---	0	0	---	64.4	65	65	29.911	0	0	0.004	0	66.6	72	57.3	67	13.75	0.0742	229	1	100	10
12/4/2014	7:10 AM	64.3	64.4	64.3	79	57.6	0	---	0	0	---	64.3	64.8	64.8	29.915	0	0	0.005	0	66.6	72	57.3	67	13.75	0.0742	229	1	100	10
12/4/2014	7:20 AM	64.3	64.4	64.3	79	57.6	0	---	0	0	---	64.3	64.8	64.8	29.922	0	0	0.005	0	66.5	72	57.2	66.9	13.75	0.0742	228	1	100	10
12/4/2014	7:30 AM	64.3	64.3	64.3	79	57.6	0	---	0	0	---	64.3	64.8	64.8	29.923	0	0	0.005	0	66.5	72	57.2	66.9	13.75	0.0742	229	1	100	10
12/4/2014	7:40 AM	64.2	64.3	64.2	79	57.5	0	---	0	0	---	64.2	64.7	64.7	29.928	0	0	0.006	0	66.5	72	57.2	66.9	13.75	0.0743	229	1	100	10
12/4/2014	7:50 AM	64.2	64.3	64.2	79	57.5	0	---	0	0	---	64.2	64.7	64.7	29.938	0	0	0.006	0	66.5	71	56.8	66.9	13.52	0.0743	229	1	100	10
12/4/2014	8:00 AM	64.1	64.2	64.1	78	57.1	0	---	0	0	---	64.1	64.5	64.5	29.94	0	0	0.006	0	66.3	71	56.6	66.6	13.52	0.0743	225	1	98.7	10
12/4/2014	8:10 AM	63.8	64.1	63.8	79	57.2	0	ENE	0	2	ENE	63.8	64.2	64.2	29.948	0.02	0.28	0.008	0	66	70	55.9	66.2	13.31	0.0744	229	1	100	10
12/4/2014	8:20 AM	63.1	63.8	63.1	81	57.2	0	---	0	0	---	63.1	63.5	63.5	29.953	0	0.05	0.013	0	65.3	72	56	65.5	13.75	0.0745	223	1	97.8	10
12/4/2014	8:30 AM	62.4	63.1	62.4	83	57.2	0	---	0	0	---	62.4	62.7	62.7	29.956	0	0	0.018	0	64.9	73	56	65.1	14.05	0.0746	229	1	100	10
12/4/2014	8:40 AM	62.1	62.4	62.1	84	57.2	0	---	0	0	---	62.1	62.4	62.4	29.956	0	0	0.02	0	64.6	74	56.1	64.8	14.25	0.0746	226	1	99.1	10
12/4/2014	8:50 AM	61.8	62.1	61.8	85	57.2	0	---	0	0	---	61.8	62.1	62.1	29.963	0	0	0.022	0	64.4	74	55.9	64.5	14.25	0.0747	227	1	99.6	10
12/4/2014	9:00 AM	62.2	62.2	61.8	86	58	0	---	0	0	---	62.2	62.6	62.6	29.963	0	0	0.019	0	64.2	75	56.1	64.3	14.48	0.0747	227	1	99.6	10
12/4/2014	9:10 AM	62.8	62.8	62.2	84	57.9	0	---	0	0	---	62.8	63.2	63.2	29.969	0	0	0.015	0	64.4	75	56.3	64.6	14.47	0.0747	226	1	99.1	10
12/4/2014	9:20 AM	63.2	63.2	62.8	83	57.9	0	---	0	0	---	63.2	63.6	63.6	29.971	0	0	0.012	0	64.6	75	56.5	64.8	14.47	0.0747	224	1	98.2	10
12/4/2014	9:30 AM	64.1	64.1	63.2	81	58.1	0	---	0	0	---	64.1	64.6	64.6	29.975	0	0	0.006	0	64.7	75	56.6	64.9	14.46	0.0747	219	1	96.1	10
12/4/2014	9:40 AM	65.2	65.2	64.1	79	58.5	0	---	0	0	---	65.2	65.9	65.9	29.978	0	0	0	0.001	65	75	56.9	65.3	14.45	0.0746	230	1	100	10
12/4/2014	9:50 AM	66.1	66.1	65.2	79	59.4	0	---	0	0	---	66.1	66.9	66.9	29.979	0	0	0	0.008	65.2	75	57.1	65.5	14.45	0.0746	226	1	99.1	10
12/4/2014	10:00 AM	67.2	67.2	66.1	77	59.7	0	---	0	0	---	67.2	68.1	68.1	29.979	0	0	0	0.015	65.3	75	57.2	65.7	14.45	0.0746	227	1	99.6	10
12/4/2014	10:10 AM	67.5	67.6	67.2	76	59.7	0	---	0	0	---	67.5	68.4	68.4	29.98	0	0	0	0.017	65.5	74	57	65.8	14.25	0.0745	226	1	99.1	10
12/4/2014	10:20 AM	67.5	67.5	67.4	75	59.3	0	---	0	0	---	67.5	68.3	68.3	29.979	0	0	0	0.017	65.5	74	57	65.8	14.25	0.0745	227	1	99.6	10
12/4/2014	10:30 AM	67.5	67.5	67.4	75	59.3	0	---	0	0	---	67.5	68.3	68.3	29.976	0	0	0	0.017	65.7	74	57.2	66.1	14.25	0.0745	227	1	99.6	10
12/4/2014	10:40 AM	68	68	67.4	75	59.8	0	---	0	0	---	68	68.9	68.9	29.971	0	0	0	0.021	65.8	74	57.3	66.2	14.25	0.0745	229	1	100	10
12/4/2014	10:50 AM	68.4	68.4	68	73	59.4	0	---	0	0	---	68.4	69.2	69.2	29.97	0	0	0	0.024	66	74	57.5	66.4	14.25	0.0744	228	1	100	10
12/4/2014	11:00 AM	68.6	68.6	68.4	72	59.2	0	---	0	0	---	68.6	69.3	69.3	29.963	0	0	0	0.025	66.2	74	57.7	66.7	14.25	0.0744	228	1	100	10
12/4/2014	11:10 AM	68.8	68.8	68.6	72	59.4	0	---	0	0	---	68.8	69.5	69.5	29.962	0	0	0	0.026	66.3	73	57.4	66.7	14.02	0.0744	227	1	99.6	10
12/4/2014	11:20 AM	68.7	68.9	68.7	73	59.7	0	---	0	0	---	68.7	69.5	69.5	29.958	0	0	0	0.026	66.6	74	58.1	67.2	14.25	0.0743	224	1	98.2	10
12/4/2014	11:30 AM	69.1	69.1	68.7	73	60.1	0	---	0	0	---	69.1	69.8	69.8	29.955	0	0	0	0.028	67.3	73	58.3	67.9	14	0.0742	227	1	99.6	10
12/4/2014	11:40 AM	69.2	69.2	69.1	74	60.6	0	---	0	0	---	69.2	70	70	29.945	0	0	0	0.029	67.8	73	58.8	68.5	13.99	0.074	224	1	98.2	10
12/4/2014	11:50 AM	69.2	69.2	69.1	73	60.2	0	---	0	0	---	69.2	69.9	69.9	29.944	0	0	0	0.029	68.1	73	59.1	68.9	13.99	0.074	229	1	100	10
12/4/2014	12:00 PM	69.6	69.6	69.2	74	60.9	0	---	0	0	---	69.6	70.3	70.3	29.943	0	0	0	0.032	68.3	73	59.3	69.1	13.98	0.0739	227	1	99.6	10
12/4/2014	12:10 PM	69.5	69.6	69.5	73	60.5	0	---	0	0	---	69.5	70.1	70.1	29.939	0	0	0	0.031	68.4	73	59.4	69.2	13.98	0.0739	228	1	100	10
12/4/2014	12:20 PM	69.3	69.5	69.2	74	60.7	0	---	0	0	---	69.3	70.1	70.1	29.934	0	0	0	0.03	68.4	73	59.4	69.2	13.98	0.0739	225	1	98.7	10
12/4/2014	12:30 PM	69.1	69.3	69.1	74	60.5	0	---	0	0	---	69.1	69.9	69.9	29.932	0	0	0	0.028	68.6	73	59.6	69.4	13.98	0.0739	223	1	97.8	10
12/4/2014	12:40 PM	68.9	69.1	68.9	75	60.6	0	---	0	0	---	68.9	69.9	69.9	29.932	0	0	0	0.027	68.7	73	59.7	69.5	13.98	0.0738	225	1	98.7	10
12/4/2014	12:50 PM	68.6	68.9	68.5	76	60.7	0	---	0	0	---	68.6	69.7	69.7	29.927	0	0	0	0.025	68.9	73	59.9	69.7	13.97	0.0738	227	1	99.6	10
12/4/2014	1:00 PM	68.9	68.9	68.6	75	60.6	0	---	0	0	---	68.9	69.9	69.9	29.919	0	0	0	0.027	69.1	72	59.7	69.7	13.75	0.0738	227	1	99.6	10
12/4/2014	1:10 PM	69.2	69.2	68.9	75	60.9	0	---	0	0	---	69.2	70.1	70.1	29.924	0	0	0	0.029	69.1	72	59.7	69.7	13.75	0.0738	228	1	100	10
12/4/2014	1:20 PM	69.1	69.3	69.1	75	60.8	0	---	0	0	---	69.1	70.1	70.1	29.923	0	0	0	0.028	69.2	72	59.8	69.8	13.75	0.0737	226	1	99.1	10
12/4/2014	1:30 PM	68.6	69.1	68.6	75	60.4	0	---	0	0	---	68.6	69.6	69.6	29.926	0	0	0	0.025	69.4	72	60	69.9	13.75	0.0737	227	1	99.6	10
12/4/2014	1:40 PM	68.4	68.6	68.4	75	60.2	0	---	0	0	---	68.4	69.3	69.3	29.921	0	0	0	0.024	69.6	71	59.8	69.9	13.46	0.0737	226	1	99.1	10
12/4/2014	1:50 PM	68.4	68.5	68.4	74	59.8	0	---	0	0	---	68.4	69.3	69.3	29.914	0	0	0	0.024	69.6	71	59.8	69.9	13.46	0.0737	230	1	100	10
12/4/2014	2:00 PM	68.7	68.7	68.4	72	59.3	0	---	0	0	---	68.7	69.4	69.4	29.914	0	0	0	0.026	69.6	71	59.8	69.9	13.46	0.0737	228	1	100	10
12/4/2014	2:10 PM	68.5	68.7	68.5	73	59.5	0	---	0	0	---	68.5	69.3	69.3	29.913	0	0	0	0.024	69.6	71	59.8	69.9	13.46	0.0737	228	1	100	10
12/4/2014	2:20 PM	68.3	68.5	68.2	74	59.7	0	---	0	0	---	68.3	69.2	69.2	29.915	0	0	0	0.023	69.6	71	59.8	69.9	13.46	0.0737	227	1	99.6	10
12/4/2014	2:30 PM	68.3	68.4	68.2	74	59.7	0	---	0	0	---	68.3	69.2	69.2	29.916	0	0	0	0.023	69.6	71	59.8	69.9	13.46	0.0737	228	1	100	10
12/4/2014	2:40 PM	68.1	68.3	68.1	75	59.9	0	---	0	0	---	68.1	69	69	29.92	0	0	0	0.022	69.6	71	59.8	69.9	13.46	0.0737	230	1	100	10
12/4/2014	2:50 PM	68.1	68.3	68.1	76	60.2	0	WNW	0	4	WNW	68.1	69.1	69.1	29.927	0	0	0	0.022	69.7	71	59.9	70	13.46	0.0737	225	1	98.7	10
12/4/2014	3:00 PM	67.6	68.1	67.6	77	60.1	0	NW	0	2	NW	67.6	68.6	68.6	29.926	0	0	0	0.018	69.7	71	59.9	70	13.46	0.0737	230	1	100	10
12/4/2014	3:10 PM	66.7	67.6	66.7	78	59.6	0	---	0	0	---	66.7	67.6	67.6	29.928	0	0	0	0.012	69.7	71	59.9	70	13.46	0.0737	225	1	98.7	10
12/4/2014	3:20 PM	66.4	66.6	66.3	79	59.7	0	---	0	0	---	66.4	67.3	67.3	29.926	0	0	0	0.01	69.7	71	59.9	70	13.46	0.0737	227	1	99.6	10
12/4/2014	3:30 PM	66.8	66.8	66.4	78	59.7	0	---	0	0	---	66.8	67.7	67.7	29.926	0	0	0	0.013	69.7	71	59.9	70	13.46	0.0737	225	1	98.7	10
12/4/2014	3:40 PM	67	67	66.8	78	59.9	0	---	0	0	---	67	67.9	67.9	29.925	0	0	0	0.014	69.7	71	59.9	70	13.46	0.0737	228	1	100	10
12/4/2014	3:50 PM	67.3	67.3	67	77	59.8	0	---	0	0	---	67.3	68.2	68.2	29.924	0	0	0	0.016	69.7	71	59.9	70	13.46	0.0737	226	1	99.1	10
12/4/2014	4:00 PM	67	67.3	67	77	59.5	0	---	0	0	---	67	67.9	67.9	29.924	0	0	0	0.014	69.7	71	59.9	70	13.46	0.0737	228	1	100	10
12/4/2014	4:10 PM	66.5	67	66.5	79	59.8	0	---	0	0	---	66.5	67.4	67.4	29.928	0	0	0	0.01	69.9	71	60.1	70.1	13.45	0.0736	223	1	97.8	10
12/4/2014	4:20 PM	66	66.5	66	80	59.7	0	---	0	0	---	66	66.9	66.9	29.926	0	0	0	0.007	69.7	71	59.9	70	13.46	0.0737	228	1	100	10
12/4/2014	4:30 PM	65.4	65.9	65.4	84	60.4	0	W	0	1	W	65.4	66.3	66.3	29.93	0.01	0	0	0.003	69.7	71	59.9	70	13.46	0.0737	226	1	99.1	10
12/4/2014	4:40 PM	65.7	65.7	65.4	84	60.7	0	---	0	0	---	65.7	66.6	66.6	29.937	0	0	0	0.005	69.7	71	59.9	70	13.46	0.0737	230	1	100	10
12/4/2014	4:50 PM	66.2	66.2	65.7	83	60.9	0	---	0	0	---	66.2	67.2	67.2	29.939	0	0	0	0.008	69.7	72	60.3	70.1	13.75	0.0737	226	1	99.1	10
12/4/2014	5:00 PM	66.7	66.7	66.2	82	61	0	---	0	0	---	66.7	67.8	67.8	29.942	0	0	0	0.012	69.9	72	60.5	70.2	13.75	0.0737	226	1	99.1	10
12/4/2014	5:10 PM	67.2	67.2	66.7	81	61.2	0	---	0	0	---	67.2	68.4	68.4	29.94	0	0	0	0.015	69.9	72	60.5	70.2	13.75	0.0737	230	1	100	10
12/4/2014	5:20 PM	67.6	67.6	67.2	80	61.2	0	---	0	0	---	67.6	68.8	68.8	29.949	0	0	0	0.018	70.1	71	60.3	70.3	13.45	0.0737	225	1	98.7	10
12/4/2014	5:30 PM	67.9	67.9	67.6	80	61.5	0	---	0	0	---	67.9	69.2	69.2	29.948	0	0	0	0.02	70.1	71	60.3	70.3	13.45	0.0737	229	1	100	10
12/4/2014	5:40 PM	68.2	68.2	67.9	79	61.4	0	---	0	0	---	68.2	69.5	69.5	29.944	0	0	0	0.022	70.1	71	60.3	70.3	13.45	0.0737	226	1	99.1	10
12/4/2014	5:50 PM	68.4	68.4	68.2	79	61.6	0	---	0	0	---	68.4	69.7	69.7	29.942	0	0	0	0.024	70.1	71	60.3	70.3	13.45	0.0736	228	1	100	10
12/4/2014	6:00 PM	68.6	68.6	68.4	78	61.5	0	---	0	0	---	68.6	69.8	69.8	29.942	0	0	0	0.025	70.1	71	60.3	70.3	13.45	0.0736	224	1	98.2	10
12/4/2014	6:10 PM	68.7	68.7	68.6	78	61.6	0	---	0	0	---	68.7	70	70	29.947	0	0	0	0.026	70.1	71	60.3	70.3	13.45	0.0737	228	1	100	10
12/4/2014	6:20 PM	68.9	68.9	68.7	77	61.4	0	---	0	0	---	68.9	70.1	70.1	29.951	0	0	0	0.027	70.1	71	60.3	70.3	13.45	0.0737	227	1	99.6	10
12/4/2014	6:30 PM	69	69	68.9	77	61.5	0	---	0	0	---	69	70.2	70.2	29.954	0	0	0	0.028	70.1	71	60.3	70.3	13.45	0.0737	227	1	99.6	10
12/4/2014	6:40 PM	69.1	69.1	69	77	61.6	0	---	0	0	---	69.1	70.3	70.3	29.956	0	0	0	0.028	70.1	71	60.3	70.3	13.45	0.0737	228	1	100	10
12/4/2014	6:50 PM	69.1	69.2	69.1	77	61.6	0	---	0	0	---	69.1	70.3	70.3	29.959	0	0	0	0.028	70.1	71	60.3	70.3	13.45	0.0737	226	1	99.1	10
12/4/2014	7:00 PM	69.2	69.2	69.1	76	61.3	0	---	0	0	---	69.2	70.2	70.2	29.964	0	0	0	0.029	70.1	71	60.3	70.3	13.45	0.0737	225	1	98.7	10
12/4/2014	7:10 PM	69.2	69.2	69.2	76	61.3	0	---	0	0	---	69.2	70.2	70.2	29.967	0	0	0	0.029	70.1	71	60.3	70.3	13.45	0.0737	227	1	99.6	10
12/4/2014	7:20 PM	69.2	69.3	69.2	76	61.3	0	---	0	0	---	69.2	70.2	70.2	29.97	0	0	0	0.029	70.1	71	60.3	70.3	13.45	0.0737	226	1	99.1	10
12/4/2014	7:30 PM	69.2	69.3	69.2	76	61.3	0	---	0	0	---	69.2	70.2	70.2	29.972	0	0	0	0.029	70.1	71	60.3	70.3	13.45	0.0737	226	1	99.1	10
12/4/2014	7:40 PM	69.3	69.3	69.2	75	61	0	---	0	0	---	69.3	70.2	70.2	29.975	0	0	0	0.03	70.1	71	60.3	70.3	13.45	0.0737	229	1	100	10
12/4/2014	7:50 PM	69.3	69.3	69.2	75	61	0	---	0	0	---	69.3	70.2	70.2	29.974	0	0	0	0.03	70.1	71	60.3	70.3	13.45	0.0737	224	1	98.2	10
12/4/2014	8:00 PM	69.2	69.3	69.2	75	60.9	0	---	0	0	---	69.2	70.1	70.1	29.975	0	0	0	0.029	70.1	71	60.3	70.3	13.45	0.0737	228	1	100	10
12/4/2014	8:10 PM	69.2	69.3	69.2	75	60.9	0	---	0	0	---	69.2	70.1	70.1	29.978	0	0	0	0.029	70.1	71	60.3	70.3	13.45	0.0737	225	1	98.7	10
12/4/2014	8:20 PM	69.2	69.2	69.2	75	60.9	0	---	0	0	---	69.2	70.1	70.1	29.981	0	0	0	0.029	70.1	71	60.3	70.3	13.45	0.0737	230	1	100	10
12/4/2014	8:30 PM	69.2	69.2	69.2	75	60.9	0	---	0	0	---	69.2	70.1	70.1	29.985	0	0	0	0.029	70.1	71	60.3	70.3	13.45	0.0738	226	1	99.1	10
12/4/2014	8:40 PM	69.1	69.2	69.1	75	60.8	0	---	0	0	---	69.1	70.1	70.1	29.989	0	0	0	0.028	69.9	71	60.1	70.1	13.45	0.0738	227	1	99.6	10
12/4/2014	8:50 PM	69.1	69.1	69.1	74	60.5	0	---	0	0	---	69.1	69.9	69.9	29.991	0	0	0	0.028	69.9	71	60.1	70.1	13.45	0.0738	228	1	100	10
12/4/2014	9:00 PM	69	69.1	69	74	60.4	0	---	0	0	---	69	69.9	69.9	29.995	0	0	0	0.028	69.9	71	60.1	70.1	13.45	0.0738	228	1	100	10
12/4/2014	9:10 PM	69	69	69	74	60.4	0	---	0	0	---	69	69.9	69.9	30.001	0	0	0	0.028	69.9	71	60.1	70.1	13.45	0.0738	228	1	100	10
12/4/2014	9:20 PM	69	69	68.9	74	60.4	0	---	0	0	---	69	69.9	69.9	30.003	0	0	0	0.028	69.9	71	60.1	70.1	13.45	0.0738	225	1	98.7	10
12/4/2014	9:30 PM	68.9	69	68.9	74	60.3	0	---	0	0	---	68.9	69.8	69.8	30.002	0	0	0	0.027	69.9	71	60.1	70.1	13.45	0.0738	228	1	100	10
12/4/2014	9:40 PM	68.8	68.9	68.8	74	60.2	0	---	0	0	---	68.8	69.7	69.7	30.002	0	0	0	0.026	69.7	71	59.9	70	13.46	0.0739	226	1	99.1	10
12/4/2014	9:50 PM	68.8	68.9	68.8	74	60.2	0	---	0	0	---	68.8	69.7	69.7	30	0	0	0	0.026	69.7	71	59.9	70	13.46	0.0739	230	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/4/2014	10:00 PM	68.7	68.8	68.7	74	60.1	0	---	0	0	---	68.7	69.6	69.6	30.001	0	0	0	0.026	69.7	71	59.9	70	13.46	0.0739	226	1	99.1	10
12/4/2014	10:10 PM	68.6	68.7	68.6	74	60	0	---	0	0	---	68.6	69.5	69.5	30.005	0	0	0	0.025	69.7	71	59.9	70	13.46	0.0739	228	1	100	10
12/4/2014	10:20 PM	68.6	68.7	68.6	74	60	0	---	0	0	---	68.6	69.5	69.5	30.004	0	0	0	0.025	69.6	71	59.8	69.9	13.46	0.0739	226	1	99.1	10
12/4/2014	10:30 PM	68.5	68.6	68.5	74	59.9	0	---	0	0	---	68.5	69.4	69.4	30.004	0	0	0	0.024	69.6	71	59.8	69.9	13.46	0.0739	230	1	100	10
12/4/2014	10:40 PM	68.5	68.5	68.4	74	59.9	0	---	0	0	---	68.5	69.4	69.4	30.006	0	0	0	0.024	69.6	71	59.8	69.9	13.46	0.0739	226	1	99.1	10
12/4/2014	10:50 PM	68.4	68.5	68.4	74	59.8	0	---	0	0	---	68.4	69.3	69.3	30.008	0	0	0	0.024	69.6	71	59.8	69.9	13.46	0.0739	228	1	100	10
12/4/2014	11:00 PM	68.3	68.4	68.3	74	59.7	0	---	0	0	---	68.3	69.2	69.2	30.01	0	0	0	0.023	69.4	71	59.6	69.8	13.46	0.0739	227	1	99.6	10
12/4/2014	11:10 PM	68.3	68.3	68.3	74	59.7	0	---	0	0	---	68.3	69.2	69.2	30.007	0	0	0	0.023	69.4	71	59.6	69.8	13.46	0.0739	229	1	100	10
12/4/2014	11:20 PM	68.2	68.3	68.2	74	59.6	0	---	0	0	---	68.2	69	69	30.005	0	0	0	0.022	69.4	71	59.6	69.8	13.46	0.0739	227	1	99.6	10
12/4/2014	11:30 PM	68.1	68.2	68.1	74	59.5	0	---	0	0	---	68.1	68.9	68.9	30.007	0	0	0	0.022	69.2	71	59.4	69.7	13.47	0.074	226	1	99.1	10
12/4/2014	11:40 PM	68	68.1	68	73	59	0	---	0	0	---	68	68.8	68.8	30.008	0	0	0	0.021	69.2	71	59.4	69.7	13.47	0.074	230	1	100	10
12/4/2014	11:50 PM	68	68.1	68	73	59	0	---	0	0	---	68	68.8	68.8	30.011	0	0	0	0.021	69.2	71	59.4	69.7	13.47	0.074	226	1	99.1	10
12/5/2014	12:10 AM	67.8	67.9	67.8	73	58.8	0	---	0	0	---	67.8	68.5	68.5	30.005	0	0	0	0.019	69.1	71	59.3	69.6	13.47	0.074	222	1	97.4	10
12/5/2014	12:20 AM	67.8	67.8	67.7	73	58.8	0	---	0	0	---	67.8	68.5	68.5	30.007	0	0	0	0.019	69.1	71	59.3	69.6	13.47	0.074	231	1	100	10
12/5/2014	12:30 AM	67.7	67.8	67.7	73	58.7	0	---	0	0	---	67.7	68.4	68.4	29.999	0	0	0	0.019	69.1	71	59.3	69.6	13.47	0.074	225	1	98.7	10
12/5/2014	12:40 AM	67.6	67.7	67.6	73	58.6	0	---	0	0	---	67.6	68.3	68.3	29.997	0	0	0	0.018	68.9	71	59.1	69.4	13.47	0.074	229	1	100	10
12/5/2014	12:50 AM	67.6	67.6	67.6	73	58.6	0	---	0	0	---	67.6	68.3	68.3	29.998	0	0	0	0.018	68.9	71	59.1	69.4	13.47	0.074	226	1	99.1	10
12/5/2014	1:00 AM	67.5	67.6	67.5	73	58.5	0	---	0	0	---	67.5	68.2	68.2	29.997	0	0	0	0.017	68.7	71	58.9	69.3	13.48	0.074	226	1	99.1	10
12/5/2014	1:10 AM	67.4	67.5	67.4	73	58.4	0	---	0	0	---	67.4	68.1	68.1	30.002	0	0	0	0.017	68.7	71	58.9	69.3	13.48	0.0741	227	1	99.6	10
12/5/2014	1:20 AM	67.4	67.4	67.3	73	58.4	0	---	0	0	---	67.4	68.1	68.1	30.003	0	0	0	0.017	68.7	71	58.9	69.3	13.48	0.0741	228	1	100	10
12/5/2014	1:30 AM	67.3	67.4	67.3	72	58	0	---	0	0	---	67.3	67.9	67.9	30.008	0	0	0	0.016	68.7	71	58.9	69.3	13.48	0.0741	229	1	100	10
12/5/2014	1:40 AM	67.2	67.3	67.2	72	57.9	0	---	0	0	---	67.2	67.8	67.8	30.005	0	0	0	0.015	68.6	71	58.8	69.2	13.48	0.0741	223	1	97.8	10
12/5/2014	1:50 AM	67.2	67.2	67.1	72	57.9	0	---	0	0	---	67.2	67.8	67.8	30.004	0	0	0	0.015	68.6	71	58.8	69.2	13.48	0.0741	227	1	99.6	10
12/5/2014	2:00 AM	67.1	67.1	67.1	73	58.2	0	---	0	0	---	67.1	67.7	67.7	30.003	0	0	0	0.015	68.6	71	58.8	69.2	13.48	0.0741	227	1	99.6	10
12/5/2014	2:10 AM	67	67.1	67	73	58.1	0	---	0	0	---	67	67.6	67.6	30.01	0	0	0	0.014	68.4	71	58.6	69	13.48	0.0741	228	1	100	10
12/5/2014	2:20 AM	66.9	67	66.9	73	58	0	---	0	0	---	66.9	67.5	67.5	30.006	0	0	0	0.013	68.4	71	58.6	69	13.48	0.0741	227	1	99.6	10
12/5/2014	2:30 AM	66.9	66.9	66.9	73	58	0	---	0	0	---	66.9	67.5	67.5	30.003	0	0	0	0.013	68.4	71	58.6	69	13.48	0.0741	230	1	100	10
12/5/2014	2:40 AM	66.8	66.9	66.8	73	57.9	0	---	0	0	---	66.8	67.3	67.3	30.005	0	0	0	0.013	68.3	71	58.5	68.9	13.48	0.0741	226	1	99.1	10
12/5/2014	2:50 AM	66.7	66.8	66.7	73	57.8	0	---	0	0	---	66.7	67.2	67.2	30.004	0	0	0	0.012	68.3	71	58.5	68.9	13.48	0.0741	227	1	99.6	10
12/5/2014	3:00 AM	66.7	66.8	66.7	73	57.8	0	---	0	0	---	66.7	67.2	67.2	30.004	0	0	0	0.012	68.3	71	58.5	68.9	13.48	0.0741	226	1	99.1	10
12/5/2014	3:10 AM	66.6	66.7	66.6	73	57.7	0	---	0	0	---	66.6	67.1	67.1	30.01	0	0	0	0.011	68.1	71	58.3	68.7	13.49	0.0742	227	1	99.6	10
12/5/2014	3:20 AM	66.6	66.6	66.5	73	57.7	0	---	0	0	---	66.6	67.1	67.1	30.01	0	0	0	0.011	68.1	71	58.3	68.7	13.49	0.0742	230	1	100	10
12/5/2014	3:30 AM	66.5	66.6	66.5	73	57.6	0	---	0	0	---	66.5	67	67	30.009	0	0	0	0.01	68.1	71	58.3	68.7	13.49	0.0742	226	1	99.1	10
12/5/2014	3:40 AM	66.5	66.5	66.4	73	57.6	0	---	0	0	---	66.5	67	67	30.011	0	0	0	0.01	68.1	71	58.3	68.7	13.49	0.0742	228	1	100	10
12/5/2014	3:50 AM	66.4	66.5	66.4	73	57.5	0	---	0	0	---	66.4	66.9	66.9	30.009	0	0	0	0.01	67.9	71	58.1	68.5	13.49	0.0742	224	1	98.2	10
12/5/2014	4:00 AM	66.3	66.4	66.3	73	57.4	0	---	0	0	---	66.3	66.7	66.7	30.012	0	0	0	0.009	67.9	71	58.1	68.5	13.49	0.0742	230	1	100	10
12/5/2014	4:10 AM	66.2	66.3	66.2	73	57.3	0	---	0	0	---	66.2	66.6	66.6	30.012	0	0	0	0.008	67.9	71	58.1	68.5	13.49	0.0742	225	1	98.7	10
12/5/2014	4:20 AM	66.2	66.3	66.2	73	57.3	0	---	0	0	---	66.2	66.6	66.6	30.019	0	0	0	0.008	67.8	71	58.1	68.4	13.49	0.0743	229	1	100	10
12/5/2014	4:30 AM	66.1	66.2	66.1	73	57.2	0	---	0	0	---	66.1	66.5	66.5	30.02	0	0	0	0.008	67.8	71	58.1	68.4	13.49	0.0743	228	1	100	10
12/5/2014	4:40 AM	66.1	66.2	66.1	73	57.2	0	---	0	0	---	66.1	66.5	66.5	30.017	0	0	0	0.008	67.8	71	58.1	68.4	13.49	0.0743	229	1	100	10
12/5/2014	4:50 AM	66	66.1	66	73	57.1	0	---	0	0	---	66	66.4	66.4	30.014	0	0	0	0.007	67.8	71	58.1	68.4	13.49	0.0742	228	1	100	10
12/5/2014	5:00 AM	65.9	66	65.9	73	57	0	---	0	0	---	65.9	66.3	66.3	30.017	0	0	0	0.006	67.6	71	57.9	68.2	13.5	0.0743	226	1	99.1	10
12/5/2014	5:10 AM	65.9	65.9	65.9	73	57	0	---	0	0	---	65.9	66.3	66.3	30.02	0	0	0	0.006	67.6	71	57.9	68.2	13.5	0.0743	228	1	100	10
12/5/2014	5:20 AM	65.8	65.9	65.8	73	56.9	0	---	0	0	---	65.8	66.1	66.1	30.018	0	0	0	0.006	67.6	71	57.9	68.2	13.5	0.0743	228	1	100	10
12/5/2014	5:30 AM	65.8	65.8	65.8	73	56.9	0	---	0	0	---	65.8	66.1	66.1	30.022	0	0	0	0.006	67.5	71	57.8	68.1	13.5	0.0743	230	1	100	10
12/5/2014	5:40 AM	65.7	65.8	65.7	73	56.8	0	---	0	0	---	65.7	66	66	30.023	0	0	0	0.005	67.5	71	57.8	68.1	13.5	0.0743	226	1	99.1	10
12/5/2014	5:50 AM	65.6	65.7	65.6	73	56.7	0	---	0	0	---	65.6	65.9	65.9	30.023	0	0	0	0.004	67.5	70	57.4	68	13.25	0.0743	228	1	100	10
12/5/2014	6:00 AM	65.6	65.7	65.6	73	56.7	0	---	0	0	---	65.6	65.9	65.9	30.022	0	0	0	0.004	67.3	70	57.2	67.8	13.26	0.0744	225	1	98.7	10
12/5/2014	6:10 AM	65.5	65.6	65.5	73	56.6	0	---	0	0	---	65.5	65.8	65.8	30.022	0	0	0	0.003	67.3	70	57.2	67.8	13.26	0.0744	230	1	100	10
12/5/2014	6:20 AM	65.5	65.5	65.5	73	56.6	0	---	0	0	---	65.5	65.8	65.8	30.022	0	0	0	0.003	67.3	70	57.2	67.8	13.26	0.0744	223	1	97.8	10
12/5/2014	6:30 AM	65.4	65.5	65.4	73	56.5	0	---	0	0	---	65.4	65.7	65.7	30.031	0	0	0	0.003	67.3	70	57.2	67.8	13.26	0.0744	230	1	100	10
12/5/2014	6:40 AM	65.4	65.4	65.3	73	56.5	0	---	0	0	---	65.4	65.7	65.7	30.036	0	0	0	0.003	67.1	70	57	67.5	13.27	0.0744	228	1	100	10
12/5/2014	6:50 AM	65.3	65.4	65.3	73	56.4	0	---	0	0	---	65.3	65.5	65.5	30.035	0	0	0	0.002	67.1	70	57	67.5	13.27	0.0744	226	1	99.1	10
12/5/2014	7:00 AM	65.3	65.3	65.2	73	56.4	0	---	0	0	---	65.3	65.5	65.5	30.038	0	0	0	0.002	67.1	70	57	67.5	13.27	0.0745	229	1	100	10
12/5/2014	7:10 AM	65.2	65.3	65.2	73	56.3	0	---	0	0	---	65.2	65.4	65.4	30.035	0	0	0	0.001	67.1	70	57	67.5	13.27	0.0744	223	1	97.8	10
12/5/2014	7:20 AM	65.2	65.2	65.1	73	56.3	0	---	0	0	---	65.2	65.4	65.4	30.036	0	0	0	0.001	67	70	56.9	67.4	13.27	0.0745	230	1	100	10
12/5/2014	7:30 AM	65.1	65.2	65.1	73	56.2	0	---	0	0	---	65.1	65.3	65.3	30.043	0	0	0	0.001	67	70	56.9	67.4	13.27	0.0745	225	1	98.7	10
12/5/2014	7:40 AM	65	65.1	65	73	56.1	0	---	0	0	---	65	65.2	65.2	30.042	0	0	0	0	67	70	56.9	67.4	13.27	0.0745	230	1	100	10
12/5/2014	7:50 AM	65	65	65	73	56.1	0	---	0	0	---	65	65.2	65.2	30.041	0	0	0	0	67	70	56.9	67.4	13.27	0.0745	226	1	99.1	10
12/5/2014	8:00 AM	64.9	65	64.9	73	56	0	---	0	0	---	64.9	65.1	65.1	30.039	0	0	0.001	0	66.8	70	56.7	67.2	13.28	0.0745	226	1	99.1	10
12/5/2014	8:10 AM	64.9	64.9	64.9	73	56	0	---	0	0	---	64.9	65.1	65.1	30.039	0	0	0.001	0	66.8	70	56.7	67.2	13.28	0.0745	227	1	99.6	10
12/5/2014	8:20 AM	64.8	64.9	64.8	73	55.9	0	---	0	0	---	64.8	64.9	64.9	30.04	0	0	0.001	0	66.6	70	56.5	66.9	13.29	0.0746	228	1	100	10
12/5/2014	8:30 AM	64.8	64.8	64.8	73	55.9	0	---	0	0	---	64.8	64.9	64.9	30.041	0	0	0.001	0	66.6	70	56.5	66.9	13.29	0.0746	228	1	100	10
12/5/2014	8:40 AM	64.7	64.8	64.7	73	55.8	0	---	0	0	---	64.7	64.8	64.8	30.052	0	0	0.002	0	66.6	70	56.5	66.9	13.29	0.0746	227	1	99.6	10
12/5/2014	8:50 AM	64.7	64.7	64.7	74	56.2	0	S	0	2	SSW	64.7	64.9	64.9	30.06	0.01	0	0.002	0	66.6	70	56.5	66.9	13.29	0.0746	229	1	100	10
12/5/2014	9:00 AM	63.9	64.6	63.9	75	55.8	0	---	0	2	SSW	63.9	64	64	30.071	0.01	0.68	0.008	0	66.6	70	56.5	66.9	13.29	0.0746	217	1	95.2	10
12/5/2014	9:10 AM	62.7	63.9	62.7	78	55.7	0	---	0	0	---	62.7	62.8	62.8	30.079	0	0	0.016	0	66.5	70	56.4	66.8	13.29	0.0747	215	1	94.3	10
12/5/2014	9:20 AM	62	62.6	62	80	55.8	0	---	0	0	---	62	62.2	62.2	30.086	0	0	0.021	0	66.5	70	56.4	66.8	13.29	0.0747	220	1	96.5	10
12/5/2014	9:30 AM	62.1	62.1	62	79	55.5	0	---	0	0	---	62.1	62.2	62.2	30.086	0	0	0.02	0	66.5	70	56.4	66.8	13.29	0.0747	215	1	94.3	10
12/5/2014	9:40 AM	62.5	62.5	62	79	55.9	0	---	0	0	---	62.5	62.7	62.7	30.083	0	0	0.017	0	66.5	70	56.4	66.8	13.29	0.0747	219	1	96.1	10
12/5/2014	9:50 AM	63	63	62.5	78	56	0	---	0	0	---	63	63.1	63.1	30.076	0	0	0.014	0	66.5	70	56.4	66.8	13.29	0.0747	222	1	97.4	10
12/5/2014	10:00 AM	63.6	63.6	63	78	56.6	0	---	0	0	---	63.6	63.9	63.9	30.066	0	0	0.01	0	66.3	70	56.2	66.6	13.3	0.0747	216	1	94.7	10
12/5/2014	10:10 AM	64.3	64.3	63.6	77	56.9	0	---	0	0	---	64.3	64.6	64.6	30.066	0	0	0.005	0	66.3	70	56.2	66.6	13.3	0.0747	213	1	93.4	10
12/5/2014	10:20 AM	64.7	64.7	64.3	76	57	0	---	0	0	---	64.7	65	65	30.063	0	0	0.002	0	66.3	70	56.2	66.6	13.3	0.0747	221	1	96.9	10
12/5/2014	10:30 AM	65.1	65.1	64.7	75	57	0	---	0	0	---	65.1	65.4	65.4	30.067	0	0	0	0.001	66.3	70	56.2	66.6	13.3	0.0747	214	1	93.9	10
12/5/2014	10:40 AM	65.3	65.3	65.1	74	56.8	0	---	0	0	---	65.3	65.6	65.6	30.067	0	0	0	0.002	66.3	70	56.2	66.6	13.3	0.0747	219	1	96.1	10
12/5/2014	10:50 AM	65.7	65.7	65.3	73	56.8	0	---	0	0	---	65.7	66	66	30.066	0	0	0	0.005	66.3	70	56.2	66.6	13.3	0.0747	208	1	91.2	10
12/5/2014	11:00 AM	65.9	65.9	65.7	73	57	0	---	0	0	---	65.9	66.3	66.3	30.063	0	0	0	0.006	66.3	70	56.2	66.6	13.3	0.0747	218	1	95.6	10
12/5/2014	11:10 AM	66.2	66.2	65.9	74	57.7	0	NNE	0	3	NNE	66.2	66.7	66.7	30.059	0.11	26.18	0	0.008	66.6	73	57.7	67.1	14.02	0.0745	222	1	97.4	10
12/5/2014	11:20 AM	66.6	66.6	66.2	74	58.1	0	---	0	0	---	66.6	67.2	67.2	30.049	0	0.05	0	0.011	67.5	70	57.4	68	13.25	0.0744	228	1	100	10
12/5/2014	11:30 AM	66.8	66.8	66.6	73	57.9	0	---	0	0	---	66.8	67.3	67.3	30.041	0	0	0	0.013	67.8	69	57.3	68.3	12.94	0.0744	226	1	99.1	10
12/5/2014	11:40 AM	67	67	66.8	72	57.7	0	---	0	0	---	67	67.5	67.5	30.042	0	0	0	0.014	67.8	69	57.3	68.3	12.94	0.0744	229	1	100	10
12/5/2014	11:50 AM	67	67	67	71	57.3	0	---	0	0	---	67	67.5	67.5	30.039	0	0	0	0.014	67.8	68	56.9	68.2	12.64	0.0744	227	1	99.6	10
12/5/2014	12:00 PM	67	67.1	67	71	57.3	0	---	0	0	---	67	67.5	67.5	30.036	0.02	25.04	0	0.014	67.8	68	56.9	68.2	12.64	0.0744	230	1	100	10
12/5/2014	12:10 PM	67.1	67.1	67	76	59.3	0	---	0	0	---	67.1	67.9	67.9	30.029	0	0.06	0	0.015	68.6	74	60	69.5	14.25	0.0741	227	1	99.6	10
12/5/2014	12:20 PM	67.3	67.3	67.1	79	60.6	0	---	0	0	---	67.3	68.4	68.4	30.056	0	0	0	0.016	69.2	72	59.8	69.8	13.75	0.0741	228	1	100	10
12/5/2014	12:30 PM	67.5	67.5	67.3	78	60.4	0	---	0	0	---	67.5	68.5	68.5	30.063	0	0	0	0.017	69.7	71	59.9	70	13.46	0.074	228	1	100	10
12/5/2014	12:40 PM	67.7	67.7	67.5	78	60.6	0	---	0	0	---	67.7	68.8	68.8	30.017	0	0	0	0.019	70.2	71	60.4	70.5	13.44	0.0738	228	1	100	10
12/5/2014	12:50 PM	67.9	67.9	67.7	79	61.1	0	---	0	0	---	67.9	69.1	69.1	30.014	0	0	0	0.02	70.6	71	60.7	71	13.43	0.0737	228	1	100	10
12/5/2014	1:00 PM	68.2	68.2	67.9	80	61.8	0	---	0	0	---	68.2	69.5	69.5	30.01	0	0	0	0.022	71.1	71	61.2	71.6	13.41	0.0736	227	1	99.6	10
12/5/2014	1:10 PM	68.5	68.5	68.2	79	61.7	0	---	0	0	---	68.5	69.8	69.8	30.013	0.01	0	0	0.024	71.6	71	61.7	72.2	13.39	0.0735	229	1	100	10
12/5/2014	1:20 PM	68.7	68.7	68.5	79	61.9	0	---	0	0	---	68.7	70	70	30.136	0	0	0	0.026	72.1	70	61.8	72.8	13.07	0.0738	226	1	99.1	10
12/5/2014	1:30 PM	69	69	68.7	79	62.2	0	---	0	0	---	69	70.4	70.4	30.084	0	0	0	0.028	72.4	70	62.1	73.3	13.05	0.0736	230	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/5/2014	1:40 PM	69.3	69.3	69	78	62.1	0	---	0	0	---	69.3	70.5	70.5	30.106	0	0	0	0.03	72.8	69	62	73.7	12.79	0.0736	225	1	98.7	10
12/5/2014	1:50 PM	69.6	69.6	69.3	78	62.4	0	---	0	0	---	69.6	70.7	70.7	30.135	0	0	0	0.032	73.1	69	62.3	74.2	12.79	0.0736	230	1	100	10
12/5/2014	2:00 PM	69.9	69.9	69.6	78	62.7	0	---	0	0	---	69.9	70.8	70.8	30.13	0	0	0	0.034	73.5	69	62.7	74.8	12.78	0.0735	226	1	99.1	10
12/5/2014	2:10 PM	70.2	70.2	69.9	77	62.6	0	---	0	0	---	70.2	71	71	30.134	0	0	0	0.036	74	68	62.8	75.4	12.55	0.0735	228	1	100	10
12/5/2014	2:20 PM	70.5	70.6	70.2	77	62.9	0	---	0	0	---	70.5	71.4	71.4	30.136	0	0	0	0.038	74.1	68	62.9	75.5	12.55	0.0735	228	1	100	10
12/5/2014	2:30 PM	70.9	70.9	70.6	77	63.3	0	---	0	0	---	70.9	71.9	71.9	30.135	0	0	0	0.041	74.5	66	62.4	75.8	12.06	0.0734	229	1	100	10
12/5/2014	2:40 PM	71.2	71.2	70.9	76	63.2	0	---	0	0	---	71.2	72.1	72.1	30.128	0	0	0	0.043	74.5	65	62	75.8	11.85	0.0734	231	1	100	10
12/5/2014	2:50 PM	71.4	71.4	71.2	76	63.4	0	---	0	0	---	71.4	72.4	72.4	30.13	0	0	0	0.044	74.7	62	60.8	75.7	11.26	0.0735	228	1	100	10
12/5/2014	3:00 PM	71.6	71.6	71.4	75	63.3	0	---	0	0	---	71.6	72.5	72.5	30.127	0	0	0	0.046	74.8	61	60.4	75.7	11.06	0.0734	229	1	100	10
12/5/2014	3:10 PM	71.7	71.7	71.6	74	63	0	---	0	0	---	71.7	72.6	72.6	30.132	0	0	0	0.047	75.3	62	61.4	76.3	11.24	0.0733	229	1	100	10
12/5/2014	3:20 PM	71.9	71.9	71.7	73	62.8	0	---	0	0	---	71.9	72.8	72.8	30.133	0	0	0	0.048	75.3	59	60	76.1	10.74	0.0734	229	1	100	10
12/5/2014	3:30 PM	72	72	71.9	72	62.5	0	---	0	0	---	72	72.8	72.8	30.132	0	0	0	0.049	75.2	60	60.4	76.1	10.94	0.0734	228	1	100	10
12/5/2014	3:40 PM	72.1	72.1	72	71	62.2	0	---	0	0	---	72.1	72.9	72.9	30.146	0	0	0	0.049	75.2	60	60.4	76.1	10.94	0.0734	229	1	100	10
12/5/2014	3:50 PM	72.1	72.2	72.1	71	62.2	0	---	0	0	---	72.1	72.9	72.9	30.147	0	0	0	0.049	75	60	60.2	75.9	10.95	0.0735	225	1	98.7	10
12/5/2014	4:00 PM	72.2	72.2	72.1	70	61.9	0	---	0	0	---	72.2	73	73	30.147	0	0	0	0.05	75	60	60.2	75.9	10.95	0.0735	232	1	100	10
12/5/2014	4:10 PM	72.2	72.3	72.2	69	61.5	0	---	0	0	---	72.2	72.9	72.9	30.154	0	0	0	0.05	74.8	59	59.5	75.6	10.76	0.0736	226	1	99.1	10
12/5/2014	4:20 PM	72.3	72.3	72.2	68	61.1	0	---	0	0	---	72.3	73	73	30.15	0	0	0	0.051	74.7	60	59.9	75.5	10.96	0.0735	230	1	100	10
12/5/2014	4:30 PM	72.2	72.3	72.2	68	61	0	---	0	0	---	72.2	72.8	72.8	30.158	0	0	0	0.05	74.5	60	59.7	75.3	10.96	0.0736	227	1	99.6	10
12/5/2014	4:40 PM	72.2	72.3	72.2	68	61	0	---	0	0	---	72.2	72.8	72.8	30.16	0	0	0	0.05	74.1	60	59.3	74.8	10.97	0.0737	230	1	100	10
12/5/2014	4:50 PM	72.2	72.2	72.2	67	60.6	0	---	0	0	---	72.2	72.7	72.7	30.166	0	0	0	0.05	74	61	59.7	74.8	11.09	0.0737	228	1	100	10
12/5/2014	5:00 PM	72.2	72.2	72.1	67	60.6	0	---	0	0	---	72.2	72.7	72.7	30.169	0	0	0	0.05	73.8	61	59.5	74.5	11.1	0.0737	228	1	100	10
12/5/2014	5:10 PM	72.1	72.2	72.1	67	60.5	0	---	0	0	---	72.1	72.6	72.6	30.174	0	0	0	0.049	73.6	61	59.3	74.3	11.11	0.0738	229	1	100	10
12/5/2014	5:20 PM	72.1	72.1	72	67	60.5	0	---	0	0	---	72.1	72.6	72.6	30.172	0	0	0	0.049	73.5	61	59.2	74.1	11.11	0.0738	227	1	99.6	10
12/5/2014	5:30 PM	72	72.1	72	67	60.4	0	---	0	0	---	72	72.5	72.5	30.178	0	0	0	0.049	73.5	61	59.2	74.1	11.11	0.0738	229	1	100	10
12/5/2014	5:40 PM	71.9	72	71.9	67	60.3	0	---	0	0	---	71.9	72.3	72.3	30.185	0	0	0	0.048	73.3	61	59	73.9	11.12	0.0739	227	1	99.6	10
12/5/2014	5:50 PM	71.9	72	71.9	67	60.3	0	---	0	0	---	71.9	72.3	72.3	30.187	0	0	0	0.048	73.3	61	59	73.9	11.12	0.0739	229	1	100	10
12/5/2014	6:00 PM	71.9	71.9	71.8	67	60.3	0	---	0	0	---	71.9	72.3	72.3	30.181	0	0	0	0.048	73.3	61	59	73.9	11.12	0.0739	226	1	99.1	10
12/5/2014	6:10 PM	71.8	71.8	71.8	67	60.2	0	---	0	0	---	71.8	72.2	72.2	30.187	0	0	0	0.047	73.3	61	59	73.9	11.12	0.0739	230	1	100	10
12/5/2014	6:20 PM	71.8	71.8	71.7	67	60.2	0	---	0	0	---	71.8	72.2	72.2	30.189	0	0	0	0.047	73.5	61	59.2	74.1	11.11	0.0738	228	1	100	10
12/5/2014	6:30 PM	71.7	71.8	71.7	68	60.6	0	---	0	0	---	71.7	72.1	72.1	30.19	0	0	0	0.047	73.5	61	59.2	74.1	11.11	0.0738	229	1	100	10
12/5/2014	6:40 PM	71.7	71.8	71.7	68	60.6	0	---	0	0	---	71.7	72.1	72.1	30.191	0	0	0	0.047	73.5	61	59.2	74.1	11.11	0.0738	225	1	98.7	10
12/5/2014	6:50 PM	71.7	71.8	71.7	68	60.6	0	---	0	0	---	71.7	72.1	72.1	30.199	0	0	0	0.047	73.5	61	59.2	74.1	11.11	0.0739	230	1	100	10
12/5/2014	7:00 PM	71.7	71.8	71.7	68	60.6	0	---	0	0	---	71.7	72.1	72.1	30.209	0	0	0	0.047	73.5	61	59.2	74.1	11.11	0.0739	227	1	99.6	10
12/5/2014	7:10 PM	71.7	71.8	71.7	68	60.6	0	---	0	0	---	71.7	72.1	72.1	30.208	0	0	0	0.047	73.5	61	59.2	74.1	11.11	0.0739	230	1	100	10
12/5/2014	7:20 PM	71.7	71.7	71.7	68	60.6	0	---	0	0	---	71.7	72.1	72.1	30.209	0	0	0	0.047	73.5	60	58.8	74.1	10.98	0.0739	229	1	100	10
12/5/2014	7:30 PM	71.7	71.8	71.7	67	60.2	0	---	0	0	---	71.7	72.1	72.1	30.207	0	0	0	0.047	73.5	60	58.8	74.1	10.98	0.0739	228	1	100	10
12/5/2014	7:40 PM	71.7	71.8	71.7	67	60.2	0	---	0	0	---	71.7	72.1	72.1	30.205	0	0	0	0.047	73.5	60	58.8	74.1	10.98	0.0739	227	1	99.6	10
12/5/2014	7:50 PM	71.7	71.7	71.7	67	60.2	0	---	0	0	---	71.7	72.1	72.1	30.206	0	0	0	0.047	73.5	60	58.8	74.1	10.98	0.0739	227	1	99.6	10
12/5/2014	8:00 PM	71.7	71.7	71.7	67	60.2	0	---	0	0	---	71.7	72.1	72.1	30.209	0	0	0	0.047	73.5	60	58.8	74.1	10.98	0.0739	230	1	100	10
12/5/2014	8:10 PM	71.7	71.7	71.7	67	60.2	0	---	0	0	---	71.7	72.1	72.1	30.204	0	0	0	0.047	73.5	60	58.8	74.1	10.98	0.0739	226	1	99.1	10
12/5/2014	8:20 PM	71.7	71.7	71.7	67	60.2	0	---	0	0	---	71.7	72.1	72.1	30.207	0	0	0	0.047	73.5	60	58.8	74.1	10.98	0.0739	232	1	100	10
12/5/2014	8:30 PM	71.7	71.7	71.7	67	60.2	0	---	0	0	---	71.7	72.1	72.1	30.215	0	0	0	0.047	73.3	59	58.1	73.7	10.82	0.074	225	1	98.7	10
12/5/2014	8:40 PM	71.7	71.7	71.6	66	59.7	0	---	0	0	---	71.7	72	72	30.214	0	0	0	0.047	73.3	59	58.1	73.7	10.82	0.074	230	1	100	10
12/5/2014	8:50 PM	71.6	71.7	71.6	66	59.6	0	---	0	0	---	71.6	71.8	71.8	30.219	0	0	0	0.046	73.3	59	58.1	73.7	10.82	0.074	227	1	99.6	10
12/5/2014	9:00 PM	71.6	71.7	71.6	66	59.6	0	---	0	0	---	71.6	71.8	71.8	30.215	0	0	0	0.046	73.3	59	58.1	73.7	10.82	0.074	229	1	100	10
12/5/2014	9:10 PM	71.6	71.6	71.6	66	59.6	0	---	0	0	---	71.6	71.8	71.8	30.216	0	0	0	0.046	73.3	59	58.1	73.7	10.82	0.074	227	1	99.6	10
12/5/2014	9:20 PM	71.6	71.6	71.6	66	59.6	0	---	0	0	---	71.6	71.8	71.8	30.22	0	0	0	0.046	73.1	59	57.9	73.4	10.83	0.074	228	1	100	10
12/5/2014	9:30 PM	71.5	71.6	71.5	65	59.1	0	---	0	0	---	71.5	71.6	71.6	30.221	0	0	0	0.045	73.1	59	57.9	73.4	10.83	0.074	228	1	100	10
12/5/2014	9:40 PM	71.5	71.6	71.5	65	59.1	0	---	0	0	---	71.5	71.6	71.6	30.221	0	0	0	0.045	73.1	58	57.4	73.4	10.63	0.0741	230	1	100	10
12/5/2014	9:50 PM	71.5	71.5	71.5	65	59.1	0	---	0	0	---	71.5	71.6	71.6	30.218	0	0	0	0.045	73.1	58	57.4	73.4	10.63	0.074	227	1	99.6	10
12/5/2014	10:00 PM	71.4	71.5	71.4	65	59	0	---	0	0	---	71.4	71.5	71.5	30.22	0	0	0	0.044	72.9	58	57.3	73.1	10.63	0.0741	229	1	100	10
12/5/2014	10:10 PM	71.4	71.5	71.4	64	58.6	0	---	0	0	---	71.4	71.4	71.4	30.224	0	0	0	0.044	72.9	58	57.3	73.1	10.63	0.0741	227	1	99.6	10
12/5/2014	10:20 PM	71.4	71.4	71.4	64	58.6	0	---	0	0	---	71.4	71.4	71.4	30.225	0	0	0	0.044	72.9	58	57.3	73.1	10.63	0.0741	227	1	99.6	10
12/5/2014	10:30 PM	71.3	71.4	71.3	64	58.5	0	---	0	0	---	71.3	71.2	71.2	30.224	0	0	0	0.044	72.9	58	57.3	73.1	10.63	0.0741	231	1	100	10
12/5/2014	10:40 PM	71.3	71.4	71.3	64	58.5	0	---	0	0	---	71.3	71.2	71.2	30.226	0	0	0	0.044	72.8	58	57.2	72.9	10.64	0.0741	227	1	99.6	10
12/5/2014	10:50 PM	71.3	71.3	71.3	64	58.5	0	---	0	0	---	71.3	71.2	71.2	30.222	0	0	0	0.044	72.8	58	57.2	72.9	10.64	0.0741	231	1	100	10
12/5/2014	11:00 PM	71.3	71.3	71.2	64	58.5	0	---	0	0	---	71.3	71.2	71.2	30.225	0	0	0	0.044	72.8	58	57.2	72.9	10.64	0.0741	226	1	99.1	10
12/5/2014	11:10 PM	71.2	71.3	71.2	64	58.4	0	---	0	0	---	71.2	71.1	71.1	30.226	0	0	0	0.043	72.8	58	57.2	72.9	10.64	0.0741	230	1	100	10
12/5/2014	11:20 PM	71.2	71.2	71.2	63	58	0	---	0	0	---	71.2	71	71	30.224	0	0	0	0.043	72.6	58	57	72.6	10.65	0.0741	227	1	99.6	10
12/5/2014	11:30 PM	71.2	71.2	71.1	63	58	0	---	0	0	---	71.2	71	71	30.227	0	0	0	0.043	72.6	58	57	72.6	10.65	0.0742	230	1	100	10
12/5/2014	11:40 PM	71.1	71.2	71.1	63	57.9	0	---	0	0	---	71.1	70.9	70.9	30.227	0	0	0	0.042	72.6	57	56.5	72.6	10.45	0.0742	227	1	99.6	10
12/5/2014	11:50 PM	71.1	71.1	71.1	63	57.9	0	---	0	0	---	71.1	70.9	70.9	30.224	0	0	0	0.042	72.6	57	56.5	72.6	10.45	0.0742	230	1	100	10
12/6/2014	12:10 AM	71	71	71	63	57.8	0	---	0	0	---	71	70.7	70.7	30.228	0	0	0	0.042	72.4	57	56.3	72.3	10.45	0.0742	230	1	100	10
12/6/2014	12:20 AM	71	71	71	63	57.8	0	---	0	0	---	71	70.7	70.7	30.229	0	0	0	0.042	72.4	57	56.3	72.3	10.45	0.0742	227	1	99.6	10
12/6/2014	12:30 AM	70.9	71	70.9	63	57.7	0	---	0	0	---	70.9	70.6	70.6	30.231	0	0	0	0.041	72.4	57	56.3	72.3	10.45	0.0742	228	1	100	10
12/6/2014	12:40 AM	70.9	70.9	70.9	63	57.7	0	---	0	0	---	70.9	70.6	70.6	30.23	0	0	0	0.041	72.4	57	56.3	72.3	10.45	0.0742	229	1	100	10
12/6/2014	12:50 AM	70.9	70.9	70.8	63	57.7	0	---	0	0	---	70.9	70.6	70.6	30.23	0	0	0	0.041	72.3	57	56.2	72.1	10.46	0.0742	229	1	100	10
12/6/2014	1:00 AM	70.8	70.9	70.8	63	57.6	0	---	0	0	---	70.8	70.5	70.5	30.227	0	0	0	0.04	72.3	57	56.2	72.1	10.46	0.0742	228	1	100	10
12/6/2014	1:10 AM	70.8	70.8	70.8	63	57.6	0	---	0	0	---	70.8	70.5	70.5	30.23	0	0	0	0.04	72.3	57	56.2	72.1	10.46	0.0742	227	1	99.6	10
12/6/2014	1:20 AM	70.8	70.8	70.8	63	57.6	0	---	0	0	---	70.8	70.5	70.5	30.229	0	0	0	0.04	72.3	57	56.2	72.1	10.46	0.0742	231	1	100	10
12/6/2014	1:30 AM	70.8	70.8	70.7	63	57.6	0	---	0	0	---	70.8	70.5	70.5	30.233	0	0	0	0.04	72.3	57	56.2	72.1	10.46	0.0742	226	1	99.1	10
12/6/2014	1:40 AM	70.7	70.8	70.7	63	57.5	0	---	0	0	---	70.7	70.4	70.4	30.237	0	0	0	0.04	72.1	57	56	71.8	10.47	0.0743	230	1	100	10
12/6/2014	1:50 AM	70.7	70.7	70.7	63	57.5	0	---	0	0	---	70.7	70.4	70.4	30.238	0	0	0	0.04	72.1	57	56	71.8	10.47	0.0743	226	1	99.1	10
12/6/2014	2:00 AM	70.7	70.7	70.6	63	57.5	0	---	0	0	---	70.7	70.4	70.4	30.236	0	0	0	0.04	72.1	57	56	71.8	10.47	0.0743	230	1	100	10
12/6/2014	2:10 AM	70.6	70.7	70.6	63	57.4	0	---	0	0	---	70.6	70.2	70.2	30.234	0	0	0	0.039	72.1	57	56	71.8	10.47	0.0743	226	1	99.1	10
12/6/2014	2:20 AM	70.6	70.7	70.6	63	57.4	0	---	0	0	---	70.6	70.2	70.2	30.233	0	0	0	0.039	72.1	57	56	71.8	10.47	0.0743	231	1	100	10
12/6/2014	2:30 AM	70.6	70.6	70.6	63	57.4	0	---	0	0	---	70.6	70.2	70.2	30.231	0	0	0	0.039	72.1	57	56	71.8	10.47	0.0743	227	1	99.6	10
12/6/2014	2:40 AM	70.6	70.6	70.6	63	57.4	0	---	0	0	---	70.6	70.2	70.2	30.229	0	0	0	0.039	72.1	57	56	71.8	10.47	0.0743	229	1	100	10
12/6/2014	2:50 AM	70.6	70.6	70.5	63	57.4	0	---	0	0	---	70.6	70.2	70.2	30.231	0	0	0	0.039	71.9	57	55.8	71.5	10.47	0.0743	228	1	100	10
12/6/2014	3:00 AM	70.5	70.6	70.5	63	57.3	0	---	0	0	---	70.5	70.1	70.1	30.229	0	0	0	0.038	71.9	57	55.8	71.5	10.47	0.0743	228	1	100	10
12/6/2014	3:10 AM	70.5	70.5	70.5	62	56.9	0	---	0	0	---	70.5	70	70	30.233	0	0	0	0.038	71.9	57	55.8	71.5	10.47	0.0743	228	1	100	10
12/6/2014	3:20 AM	70.5	70.5	70.4	63	57.3	0	---	0	0	---	70.5	70.1	70.1	30.232	0	0	0	0.038	71.9	57	55.8	71.5	10.47	0.0743	230	1	100	10
12/6/2014	3:30 AM	70.4	70.5	70.4	63	57.2	0	---	0	0	---	70.4	70	70	30.234	0	0	0	0.038	71.9	57	55.8	71.5	10.47	0.0743	230	1	100	10
12/6/2014	3:40 AM	70.4	70.5	70.4	63	57.2	0	---	0	0	---	70.4	70	70	30.238	0	0	0	0.038	71.8	57	55.7	71.4	10.48	0.0743	227	1	99.6	10
12/6/2014	3:50 AM	70.4	70.4	70.4	63	57.2	0	---	0	0	---	70.4	70	70	30.238	0	0	0	0.038	71.8	57	55.7	71.4	10.48	0.0743	229	1	100	10
12/6/2014	4:00 AM	70.4	70.4	70.3	63	57.2	0	---	0	0	---	70.4	70	70	30.237	0	0	0	0.038	71.8	57	55.7	71.4	10.48	0.0743	226	1	99.1	10
12/6/2014	4:10 AM	70.3	70.4	70.3	62	56.7	0	---	0	0	---	70.3	69.8	69.8	30.237	0	0	0	0.037	71.8	57	55.7	71.4	10.48	0.0743	230	1	100	10
12/6/2014	4:20 AM	70.3	70.3	70.3	62	56.7	0	---	0	0	---	70.3	69.8	69.8	30.236	0	0	0	0.037	71.6	57	55.6	71.1	10.49	0.0744	225	1	98.7	10
12/6/2014	4:30 AM	70.3	70.3	70.3	62	56.7	0	---	0	0	---	70.3	69.8	69.8	30.243	0	0	0	0.037	71.6	57	55.6	71.1	10.49	0.0744	231	1	100	10
12/6/2014	4:40 AM	70.2	70.3	70.2	62	56.6	0	---	0	0	---	70.2	69.7	69.7	30.243	0	0	0	0.036	71.6	56	55.1	71	10.32	0.0744	225	1	98.7	10
12/6/2014	4:50 AM	70.2	70.3	70.2	62	56.6	0	---	0	0	---	70.2	69.7	69.7	30.242	0	0	0	0.036	71.6	56	55.1	71	10.32	0.0744	228	1	100	10
12/6/2014	5:00 AM	70.2	70.2	70.1	62	56.6	0	---	0	0	---	70.2	69.7	69.7	30.246	0	0	0	0.036	71.4	56	54.9	70.7	10.32	0.0745	228	1	100	10
12/6/2014	5:10 AM	70.1	70.2	70.1	62	56.5	0	---	0	0	---	70.1	69.5	69.5	30.248	0	0	0	0.035	71.4	56	54.9	70.7	10.32	0.0745	228	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/6/2014	5:20 AM	70.1	70.1	70.1	62	56.5	0	---	0	0	---	70.1	69.5	69.5	30.247	0	0	0	0.035	71.4	56	54.9	70.7	10.32	0.0745	230	1	100	10
12/6/2014	5:30 AM	70	70.1	70	62	56.4	0	---	0	0	---	70	69.4	69.4	30.251	0	0	0	0.035	71.3	56	54.8	70.5	10.32	0.0745	231	1	100	10
12/6/2014	5:40 AM	70	70.1	70	62	56.4	0	---	0	0	---	70	69.4	69.4	30.252	0	0	0	0.035	71.3	56	54.8	70.5	10.32	0.0745	228	1	100	10
12/6/2014	5:50 AM	70	70	69.9	62	56.4	0	---	0	0	---	70	69.4	69.4	30.257	0	0	0	0.035	71.3	56	54.8	70.5	10.32	0.0745	228	1	100	10
12/6/2014	6:00 AM	69.9	70	69.9	61	55.8	0	---	0	0	---	69.9	69.2	69.2	30.261	0	0	0	0.034	71.1	56	54.6	70.2	10.33	0.0745	229	1	100	10
12/6/2014	6:10 AM	69.9	69.9	69.9	61	55.8	0	---	0	0	---	69.9	69.2	69.2	30.267	0	0	0	0.034	71.1	56	54.6	70.2	10.33	0.0746	227	1	99.6	10
12/6/2014	6:20 AM	69.8	69.9	69.8	61	55.7	0	---	0	0	---	69.8	69.1	69.1	30.268	0	0	0	0.033	71.1	56	54.6	70.2	10.33	0.0746	229	1	100	10
12/6/2014	6:30 AM	69.8	69.8	69.8	61	55.7	0	---	0	0	---	69.8	69.1	69.1	30.269	0	0	0	0.033	71.1	56	54.6	70.2	10.33	0.0746	229	1	100	10
12/6/2014	6:40 AM	69.7	69.8	69.7	61	55.6	0	---	0	0	---	69.7	69.1	69.1	30.267	0	0	0	0.033	70.9	56	54.4	70	10.33	0.0746	231	1	100	10
12/6/2014	6:50 AM	69.7	69.7	69.7	61	55.6	0	---	0	0	---	69.7	69.1	69.1	30.273	0	0	0	0.033	70.9	56	54.4	70	10.33	0.0746	226	1	99.1	10
12/6/2014	7:00 AM	69.6	69.7	69.6	61	55.6	0	---	0	0	---	69.6	69	69	30.276	0	0	0	0.032	70.9	56	54.4	70	10.33	0.0746	230	1	100	10
12/6/2014	7:10 AM	69.6	69.6	69.6	61	55.6	0	---	0	0	---	69.6	69	69	30.279	0	0	0	0.032	70.7	56	54.2	69.7	10.34	0.0747	227	1	99.6	10
12/6/2014	7:20 AM	69.5	69.6	69.5	61	55.5	0	---	0	0	---	69.5	68.9	68.9	30.282	0	0	0	0.031	70.7	56	54.2	69.7	10.34	0.0747	230	1	100	10
12/6/2014	7:30 AM	69.5	69.5	69.5	61	55.5	0	---	0	0	---	69.5	68.9	68.9	30.283	0	0	0	0.031	70.7	55	53.7	69.6	10.14	0.0747	229	1	100	10
12/6/2014	7:40 AM	69.4	69.5	69.4	61	55.4	0	---	0	0	---	69.4	68.8	68.8	30.283	0	0	0	0.031	70.6	55	53.6	69.5	10.14	0.0747	227	1	99.6	10
12/6/2014	7:50 AM	69.4	69.5	69.4	61	55.4	0	---	0	0	---	69.4	68.8	68.8	30.284	0	0	0	0.031	70.6	55	53.6	69.5	10.14	0.0747	230	1	100	10
12/6/2014	8:00 AM	69.3	69.4	69.3	61	55.3	0	---	0	0	---	69.3	68.7	68.7	30.281	0	0	0	0.03	70.6	55	53.6	69.5	10.14	0.0747	224	1	98.2	10
12/6/2014	8:10 AM	69.3	69.4	69.3	61	55.3	0	---	0	0	---	69.3	68.7	68.7	30.281	0	0	0	0.03	70.6	55	53.6	69.5	10.14	0.0747	232	1	100	10
12/6/2014	8:20 AM	69.3	69.3	69.3	61	55.3	0	---	0	0	---	69.3	68.7	68.7	30.28	0	0	0	0.03	70.6	56	54.1	69.6	10.34	0.0747	226	1	99.1	10
12/6/2014	8:30 AM	69.3	69.3	69.3	61	55.3	0	---	0	0	---	69.3	68.7	68.7	30.284	0	0	0	0.03	70.6	56	54.1	69.6	10.34	0.0747	229	1	100	10
12/6/2014	8:40 AM	69.2	69.3	69.2	61	55.2	0	---	0	0	---	69.2	68.7	68.7	30.29	0	0	0	0.029	70.6	56	54.1	69.6	10.34	0.0747	227	1	99.6	10
12/6/2014	8:50 AM	69.2	69.3	69.2	61	55.2	0	---	0	0	---	69.2	68.7	68.7	30.292	0	0	0	0.029	70.6	56	54.1	69.6	10.34	0.0747	230	1	100	10
12/6/2014	9:00 AM	69.2	69.2	69.2	61	55.2	0	---	0	0	---	69.2	68.7	68.7	30.3	0	0	0	0.029	70.6	56	54.1	69.6	10.34	0.0747	226	1	99.1	10
12/6/2014	9:10 AM	69.2	69.2	69.2	61	55.2	0	---	0	0	---	69.2	68.7	68.7	30.294	0	0	0	0.029	70.6	56	54.1	69.6	10.34	0.0747	229	1	100	10
12/6/2014	9:20 AM	69.2	69.2	69.2	61	55.2	0	---	0	0	---	69.2	68.7	68.7	30.301	0	0	0	0.029	70.7	56	54.2	69.7	10.34	0.0747	225	1	98.7	10
12/6/2014	9:30 AM	69.2	69.2	69.2	62	55.6	0	---	0	0	---	69.2	68.8	68.8	30.303	0	0	0	0.029	70.7	56	54.2	69.7	10.34	0.0747	230	1	100	10
12/6/2014	9:40 AM	69.2	69.2	69.2	62	55.6	0	---	0	0	---	69.2	68.8	68.8	30.3	0	0	0	0.029	70.7	56	54.2	69.7	10.34	0.0747	226	1	99.1	10
12/6/2014	9:50 AM	69.3	69.3	69.2	62	55.7	0	---	0	0	---	69.3	68.8	68.8	30.3	0	0	0	0.03	70.9	56	54.4	70	10.33	0.0747	228	1	100	10
12/6/2014	10:00 AM	69.3	69.3	69.2	62	55.7	0	---	0	0	---	69.3	68.8	68.8	30.292	0	0	0	0.03	70.9	57	54.9	70.1	10.51	0.0746	229	1	100	10
12/6/2014	10:10 AM	69.3	69.3	69.3	63	56.2	0	---	0	0	---	69.3	68.9	68.9	30.288	0	0	0	0.03	71.1	57	55.1	70.3	10.51	0.0746	229	1	100	10
12/6/2014	10:20 AM	69.4	69.4	69.3	63	56.3	0	---	0	0	---	69.4	69	69	30.29	0	0	0	0.031	71.3	57	55.3	70.6	10.5	0.0746	230	1	100	10
12/6/2014	10:30 AM	69.4	69.4	69.4	63	56.3	0	---	0	0	---	69.4	69	69	30.29	0	0	0	0.031	71.3	57	55.3	70.6	10.5	0.0746	226	1	99.1	10
12/6/2014	10:40 AM	69.5	69.5	69.4	63	56.3	0	---	0	0	---	69.5	69.1	69.1	30.286	0	0	0	0.031	71.4	57	55.4	70.8	10.49	0.0745	230	1	100	10
12/6/2014	10:50 AM	69.6	69.6	69.5	63	56.4	0	---	0	0	---	69.6	69.2	69.2	30.283	0	0	0	0.032	71.4	57	55.4	70.8	10.49	0.0745	227	1	99.6	10
12/6/2014	11:00 AM	69.6	69.7	69.5	64	56.9	0	---	0	0	---	69.6	69.3	69.3	30.284	0	0	0	0.032	71.6	57	55.6	71.1	10.49	0.0745	230	1	100	10
12/6/2014	11:10 AM	69.7	69.7	69.6	64	57	0	---	0	0	---	69.7	69.4	69.4	30.277	0	0	0	0.033	71.8	57	55.7	71.4	10.48	0.0744	228	1	100	10
12/6/2014	11:20 AM	69.8	69.8	69.7	64	57.1	0	---	0	0	---	69.8	69.4	69.4	30.272	0	0	0	0.033	71.9	58	56.3	71.6	10.67	0.0744	229	1	100	10
12/6/2014	11:30 AM	69.9	69.9	69.8	64	57.2	0	---	0	0	---	69.9	69.5	69.5	30.271	0	0	0	0.034	72.1	58	56.5	71.9	10.67	0.0744	227	1	99.6	10
12/6/2014	11:40 AM	70	70	69.9	64	57.3	0	---	0	0	---	70	69.6	69.6	30.263	0	0	0	0.035	72.1	58	56.5	71.9	10.67	0.0743	229	1	100	10
12/6/2014	11:50 AM	70.1	70.1	70	65	57.8	0	---	0	0	---	70.1	69.8	69.8	30.259	0	0	0	0.035	72.3	58	56.7	72.2	10.66	0.0743	230	1	100	10
12/6/2014	12:00 PM	70.2	70.2	70.1	65	57.9	0	---	0	0	---	70.2	69.9	69.9	30.253	0	0	0	0.036	72.4	58	56.8	72.3	10.65	0.0743	230	1	100	10
12/6/2014	12:10 PM	70.3	70.3	70.2	65	58	0	---	0	0	---	70.3	70.1	70.1	30.248	0	0	0	0.037	72.6	58	57	72.6	10.65	0.0742	228	1	100	10
12/6/2014	12:20 PM	70.4	70.4	70.3	65	58.1	0	---	0	0	---	70.4	70.2	70.2	30.245	0	0	0	0.038	72.8	58	57.2	72.9	10.64	0.0742	229	1	100	10
12/6/2014	12:30 PM	70.5	70.5	70.4	65	58.2	0	---	0	0	---	70.5	70.3	70.3	30.245	0	0	0	0.038	72.8	58	57.2	72.9	10.64	0.0742	229	1	100	10
12/6/2014	12:40 PM	70.6	70.6	70.5	65	58.3	0	---	0	0	---	70.6	70.4	70.4	30.241	0	0	0	0.039	72.9	58	57.3	73.1	10.63	0.0741	228	1	100	10
12/6/2014	12:50 PM	70.7	70.7	70.6	65	58.4	0	---	0	0	---	70.7	70.5	70.5	30.234	0	0	0	0.04	73.1	58	57.4	73.4	10.63	0.0741	229	1	100	10
12/6/2014	1:00 PM	70.8	70.8	70.7	66	58.9	0	---	0	0	---	70.8	70.8	70.8	30.232	0	0	0	0.04	73.3	58	57.6	73.6	10.62	0.074	228	1	100	10
12/6/2014	1:10 PM	70.9	71	70.8	66	59	0	---	0	0	---	70.9	70.9	70.9	30.229	0	0	0	0.041	73.5	58	57.8	73.9	10.61	0.074	229	1	100	10
12/6/2014	1:20 PM	71.1	71.1	71	66	59.2	0	---	0	0	---	71.1	71.1	71.1	30.228	0	0	0	0.042	73.6	58	57.9	74	10.61	0.074	226	1	99.1	10
12/6/2014	1:30 PM	71.2	71.2	71.1	66	59.3	0	---	0	0	---	71.2	71.3	71.3	30.229	0	0	0	0.043	73.6	58	57.9	74	10.61	0.074	230	1	100	10
12/6/2014	1:40 PM	71.3	71.3	71.2	66	59.4	0	---	0	0	---	71.3	71.4	71.4	30.223	0	0	0	0.044	73.8	58	58.1	74.2	10.6	0.0739	227	1	99.6	10
12/6/2014	1:50 PM	71.4	71.4	71.3	66	59.4	0	---	0	0	---	71.4	71.6	71.6	30.221	0	0	0	0.044	74	59	58.8	74.6	10.79	0.0739	230	1	100	10
12/6/2014	2:00 PM	71.5	71.5	71.4	66	59.5	0	---	0	0	---	71.5	71.7	71.7	30.22	0	0	0	0.045	74.1	59	58.9	74.7	10.79	0.0738	226	1	99.1	10
12/6/2014	2:10 PM	71.7	71.7	71.5	66	59.7	0	---	0	0	---	71.7	72	72	30.218	0	0	0	0.047	74.3	59	59	75	10.78	0.0738	230	1	100	10
12/6/2014	2:20 PM	71.8	71.8	71.7	66	59.8	0	---	0	0	---	71.8	72.1	72.1	30.218	0	0	0	0.047	74.3	59	59	75	10.78	0.0738	227	1	99.6	10
12/6/2014	2:30 PM	71.9	71.9	71.8	66	59.9	0	---	0	0	---	71.9	72.2	72.2	30.218	0	0	0	0.048	74.5	59	59.2	75.2	10.77	0.0738	229	1	100	10
12/6/2014	2:40 PM	72	72	71.9	66	60	0	---	0	0	---	72	72.4	72.4	30.216	0	0	0	0.049	74.7	59	59.4	75.5	10.76	0.0737	227	1	99.6	10
12/6/2014	2:50 PM	72.1	72.1	72	67	60.5	0	---	0	0	---	72.1	72.6	72.6	30.217	0	0	0	0.049	74.8	59	59.5	75.6	10.76	0.0737	229	1	100	10
12/6/2014	3:00 PM	72.2	72.2	72.1	67	60.6	0	---	0	0	---	72.2	72.7	72.7	30.219	0	0	0	0.05	74.8	59	59.5	75.6	10.76	0.0737	229	1	100	10
12/6/2014	3:10 PM	72.4	72.4	72.2	67	60.8	0	---	0	0	---	72.4	73	73	30.22	0	0	0	0.051	75	59	59.7	75.8	10.75	0.0737	227	1	99.6	10
12/6/2014	3:20 PM	72.4	72.5	72.3	67	60.8	0	---	0	0	---	72.4	73	73	30.22	0	0	0	0.051	75	59	59.7	75.8	10.75	0.0737	229	1	100	10
12/6/2014	3:30 PM	72.6	72.6	72.4	67	61	0	---	0	0	---	72.6	73.3	73.3	30.224	0	0	0	0.053	75.2	59	59.9	76	10.74	0.0737	227	1	99.6	10
12/6/2014	3:40 PM	72.7	72.7	72.5	67	61.1	0	---	0	0	---	72.7	73.4	73.4	30.221	0	0	0	0.053	75.3	59	60	76.1	10.74	0.0736	229	1	100	10
12/6/2014	3:50 PM	72.8	72.8	72.7	67	61.2	0	---	0	0	---	72.8	73.6	73.6	30.224	0	0	0	0.054	75.3	59	60	76.1	10.74	0.0736	226	1	99.1	10
12/6/2014	4:00 PM	72.9	72.9	72.8	67	61.3	0	---	0	0	---	72.9	73.7	73.7	30.222	0	0	0	0.055	75.3	59	60	76.1	10.74	0.0736	230	1	100	10
12/6/2014	4:10 PM	72.9	73	72.8	67	61.3	0	---	0	0	---	72.9	73.7	73.7	30.227	0	0	0	0.055	75.5	59	60.2	76.2	10.73	0.0736	228	1	100	10
12/6/2014	4:20 PM	73	73	72.9	67	61.4	0	---	0	0	---	73	73.9	73.9	30.228	0	0	0	0.056	75.5	59	60.2	76.2	10.73	0.0736	230	1	100	10
12/6/2014	4:30 PM	73.1	73.1	73	67	61.5	0	---	0	0	---	73.1	74	74	30.226	0	0	0	0.056	75.5	59	60.2	76.2	10.73	0.0736	226	1	99.1	10
12/6/2014	4:40 PM	73.1	73.1	73.1	66	61.1	0	---	0	0	---	73.1	73.9	73.9	30.229	0	0	0	0.056	75.5	59	60.2	76.2	10.73	0.0736	230	1	100	10
12/6/2014	4:50 PM	73.2	73.2	73.1	66	61.2	0	---	0	0	---	73.2	74.1	74.1	30.227	0	0	0	0.057	75.5	59	60.2	76.2	10.73	0.0736	228	1	100	10
12/6/2014	5:00 PM	73.3	73.3	73.2	66	61.3	0	---	0	0	---	73.3	74.2	74.2	30.231	0	0	0	0.058	75.5	59	60.2	76.2	10.73	0.0736	228	1	100	10
12/6/2014	5:10 PM	73.3	73.3	73.2	66	61.3	0	---	0	0	---	73.3	74.2	74.2	30.229	0	0	0	0.058	75.5	59	60.2	76.2	10.73	0.0736	228	1	100	10
12/6/2014	5:20 PM	73.3	73.3	73.3	66	61.3	0	---	0	0	---	73.3	74.2	74.2	30.228	0	0	0	0.058	75.5	58	59.7	76.1	10.53	0.0736	228	1	100	10
12/6/2014	5:30 PM	73.3	73.3	73.3	66	61.3	0	---	0	0	---	73.3	74.2	74.2	30.23	0	0	0	0.058	75.5	58	59.7	76.1	10.53	0.0736	229	1	100	10
12/6/2014	5:40 PM	73.3	73.3	73.3	66	61.3	0	---	0	0	---	73.3	74.2	74.2	30.232	0	0	0	0.058	75.5	58	59.7	76.1	10.53	0.0736	227	1	99.6	10
12/6/2014	5:50 PM	73.3	73.4	73.3	66	61.3	0	---	0	0	---	73.3	74.2	74.2	30.234	0	0	0	0.058	75.5	58	59.7	76.1	10.53	0.0737	230	1	100	10
12/6/2014	6:00 PM	73.4	73.4	73.3	66	61.3	0	---	0	0	---	73.4	74.4	74.4	30.235	0	0	0	0.058	75.3	58	59.5	76	10.54	0.0737	227	1	99.6	10
12/6/2014	6:10 PM	73.4	73.4	73.4	66	61.3	0	---	0	0	---	73.4	74.4	74.4	30.235	0	0	0	0.058	75.3	58	59.5	76	10.54	0.0737	229	1	100	10
12/6/2014	6:20 PM	73.4	73.4	73.4	65	60.9	0	---	0	0	---	73.4	74.3	74.3	30.236	0	0	0	0.058	75.3	58	59.5	76	10.54	0.0737	226	1	99.1	10
12/6/2014	6:30 PM	73.4	73.4	73.4	65	60.9	0	---	0	0	---	73.4	74.3	74.3	30.238	0	0	0	0.058	75.3	58	59.5	76	10.54	0.0737	229	1	100	10
12/6/2014	6:40 PM	73.4	73.4	73.4	65	60.9	0	---	0	0	---	73.4	74.3	74.3	30.239	0	0	0	0.058	75.3	58	59.5	76	10.54	0.0737	226	1	99.1	10
12/6/2014	6:50 PM	73.4	73.4	73.4	65	60.9	0	---	0	0	---	73.4	74.3	74.3	30.242	0	0	0	0.058	75.3	58	59.5	76	10.54	0.0737	230	1	100	10
12/6/2014	7:00 PM	73.4	73.4	73.4	65	60.9	0	---	0	0	---	73.4	74.3	74.3	30.242	0	0	0	0.058	75.2	58	59.4	75.9	10.54	0.0737	225	1	98.7	10
12/6/2014	7:10 PM	73.4	73.4	73.3	65	60.9	0	---	0	0	---	73.4	74.3	74.3	30.245	0	0	0	0.058	75.2	58	59.4	75.9	10.54	0.0737	231	1	100	10
12/6/2014	7:20 PM	73.3	73.4	73.3	65	60.8	0	---	0	0	---	73.3	74.2	74.2	30.247	0	0	0	0.058	75.2	58	59.4	75.9	10.54	0.0737	228	1	100	10
12/6/2014	7:30 PM	73.3	73.3	73.3	65	60.8	0	---	0	0	---	73.3	74.2	74.2	30.249	0	0	0	0.058	75.2	58	59.4	75.9	10.54	0.0737	229	1	100	10
12/6/2014	7:40 PM	73.3	73.3	73.3	65	60.8	0	---	0	0	---	73.3	74.2	74.2	30.246	0	0	0	0.058	75	57	58.7	75.7	10.35	0.0738	228	1	100	10
12/6/2014	7:50 PM	73.3	73.3	73.3	65	60.8	0	---	0	0	---	73.3	74.2	74.2	30.25	0	0	0	0.058	75	57	58.7	75.7	10.35	0.0738	229	1	100	10
12/6/2014	8:00 PM	73.2	73.3	73.2	64	60.3	0	---	0	0	---	73.2	73.9	73.9	30.251	0	0	0	0.057	75	57	58.7	75.7	10.35	0.0738	230	1	100	10
12/6/2014	8:10 PM	73.2	73.2	73.2	64	60.3	0	---	0	0	---	73.2	73.9	73.9	30.251	0	0	0	0.057	74.8	57	58.5	75.4	10.36	0.0738	226	1	99.1	10
12/6/2014	8:20 PM	73.1	73.2	73.1	64	60.2	0	---	0	0	---	73.1	73.8	73.8	30.252	0	0	0	0.056	74.8	57	58.5	75.4	10.36	0.0738	231	1	100	10
12/6/2014	8:30 PM	73.1	73.1	73.1	64	60.2	0	---	0	0	---	73.1	73.8	73.8	30.258	0	0	0	0.056	74.7	57	58.5	75.3	10.36	0.0739	225	1	98.7	10
12/6/2014	8:40 PM	73	73.1	73	63	59.7	0	---	0	0	---	73	73.6	73.6	30.259	0	0	0	0.056	74.7	57	58.5	75.3	10.36	0.0739	228	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/6/2014	8:50 PM	73	73	73	63	59.7	0	---	0	0	---	73	73.6	73.6	30.26	0	0	0	0.056	74.7	57	58.5	75.3	10.36	0.0739	227	1	99.6	10
12/6/2014	9:00 PM	72.9	73	72.9	63	59.6	0	---	0	0	---	72.9	73.4	73.4	30.263	0	0	0	0.055	74.5	56	57.8	74.9	10.26	0.0739	228	1	100	10
12/6/2014	9:10 PM	72.9	72.9	72.9	62	59.1	0	---	0	0	---	72.9	73.4	73.4	30.26	0	0	0	0.055	74.5	56	57.8	74.9	10.26	0.0739	226	1	99.1	10
12/6/2014	9:20 PM	72.8	72.9	72.8	62	59	0	---	0	0	---	72.8	73.2	73.2	30.26	0	0	0	0.054	74.3	56	57.6	74.7	10.26	0.074	231	1	100	10
12/6/2014	9:30 PM	72.8	72.8	72.8	62	59	0	---	0	0	---	72.8	73.2	73.2	30.255	0	0	0	0.054	74.3	56	57.6	74.7	10.26	0.074	226	1	99.1	10
12/6/2014	9:40 PM	72.7	72.8	72.7	62	58.9	0	---	0	0	---	72.7	73.1	73.1	30.252	0	0	0	0.053	74.3	56	57.6	74.7	10.26	0.074	230	1	100	10
12/6/2014	9:50 PM	72.7	72.7	72.6	62	58.9	0	---	0	0	---	72.7	73.1	73.1	30.253	0	0	0	0.053	74.1	56	57.4	74.4	10.27	0.074	225	1	98.7	10
12/6/2014	10:00 PM	72.6	72.7	72.6	62	58.8	0	---	0	0	---	72.6	72.9	72.9	30.255	0	0	0	0.053	74.1	56	57.4	74.4	10.27	0.074	231	1	100	10
12/6/2014	10:10 PM	72.5	72.6	72.5	62	58.7	0	---	0	0	---	72.5	72.8	72.8	30.257	0	0	0	0.052	74	56	57.3	74.3	10.27	0.074	226	1	99.1	10
12/6/2014	10:20 PM	72.5	72.6	72.5	62	58.7	0	---	0	0	---	72.5	72.8	72.8	30.259	0	0	0	0.052	74	56	57.3	74.3	10.27	0.074	228	1	100	10
12/6/2014	10:30 PM	72.4	72.5	72.4	61	58.2	0	---	0	0	---	72.4	72.6	72.6	30.256	0	0	0	0.051	74	56	57.3	74.3	10.27	0.074	229	1	100	10
12/6/2014	10:40 PM	72.4	72.4	72.4	61	58.2	0	---	0	0	---	72.4	72.6	72.6	30.254	0	0	0	0.051	73.8	56	57.1	74.1	10.27	0.0741	227	1	99.6	10
12/6/2014	10:50 PM	72.3	72.4	72.3	61	58.1	0	---	0	0	---	72.3	72.4	72.4	30.259	0	0	0	0.051	73.8	56	57.1	74.1	10.27	0.0741	229	1	100	10
12/6/2014	11:00 PM	72.2	72.3	72.2	61	58	0	---	0	0	---	72.2	72.3	72.3	30.265	0	0	0	0.05	73.6	56	56.9	73.8	10.28	0.0741	226	1	99.1	10
12/6/2014	11:10 PM	72.2	72.2	72.2	61	58	0	---	0	0	---	72.2	72.3	72.3	30.258	0	0	0	0.05	73.6	55	56.4	73.7	10.08	0.0741	228	1	100	10
12/6/2014	11:20 PM	72.1	72.2	72.1	61	57.9	0	---	0	0	---	72.1	72.1	72.1	30.263	0	0	0	0.049	73.5	55	56.3	73.6	10.08	0.0741	226	1	99.1	10
12/6/2014	11:30 PM	72.1	72.1	72	61	57.9	0	---	0	0	---	72.1	72.1	72.1	30.264	0	0	0	0.049	73.5	55	56.3	73.6	10.08	0.0741	229	1	100	10
12/6/2014	11:40 PM	72	72.1	72	61	57.8	0	---	0	0	---	72	72	72	30.263	0	0	0	0.049	73.5	55	56.3	73.6	10.08	0.0741	227	1	99.6	10
12/6/2014	11:50 PM	71.9	72	71.9	61	57.7	0	---	0	0	---	71.9	71.8	71.8	30.26	0	0	0	0.048	73.3	55	56.2	73.4	10.08	0.0742	229	1	100	10
12/7/2014	12:10 AM	71.8	71.9	71.8	60	57.2	0	---	0	0	---	71.8	71.6	71.6	30.253	0	0	0	0.047	73.1	55	56	73.1	10.09	0.0742	227	1	99.6	10
12/7/2014	12:20 AM	71.7	71.8	71.7	60	57.1	0	---	0	0	---	71.7	71.5	71.5	30.249	0	0	0	0.047	73.1	55	56	73.1	10.09	0.0742	226	1	99.1	10
12/7/2014	12:30 AM	71.7	71.7	71.6	60	57.1	0	---	0	0	---	71.7	71.5	71.5	30.249	0	0	0	0.047	72.9	55	55.8	72.9	10.09	0.0742	229	1	100	10
12/7/2014	12:40 AM	71.6	71.7	71.6	60	57	0	---	0	0	---	71.6	71.3	71.3	30.245	0	0	0	0.046	72.9	55	55.8	72.9	10.09	0.0742	229	1	100	10
12/7/2014	12:50 AM	71.5	71.6	71.5	60	56.9	0	---	0	0	---	71.5	71.2	71.2	30.243	0	0	0	0.045	72.8	55	55.7	72.7	10.09	0.0742	227	1	99.6	10
12/7/2014	1:00 AM	71.4	71.5	71.4	60	56.8	0	---	0	0	---	71.4	71.1	71.1	30.242	0	0	0	0.044	72.8	55	55.7	72.7	10.09	0.0742	227	1	99.6	10
12/7/2014	1:10 AM	71.4	71.4	71.3	60	56.8	0	---	0	0	---	71.4	71.1	71.1	30.243	0	0	0	0.044	72.6	55	55.5	72.4	10.1	0.0743	227	1	99.6	10
12/7/2014	1:20 AM	71.3	71.4	71.3	60	56.7	0	---	0	0	---	71.3	70.9	70.9	30.242	0	0	0	0.044	72.6	55	55.5	72.4	10.1	0.0743	228	1	100	10
12/7/2014	1:30 AM	71.2	71.3	71.2	60	56.6	0	---	0	0	---	71.2	70.8	70.8	30.245	0	0	0	0.043	72.4	55	55.3	72.1	10.1	0.0743	227	1	99.6	10
12/7/2014	1:40 AM	71.2	71.3	71.2	60	56.6	0	---	0	0	---	71.2	70.8	70.8	30.24	0	0	0	0.043	72.4	54	54.8	72	9.9	0.0743	230	1	100	10
12/7/2014	1:50 AM	71.1	71.2	71.1	59	56	0	---	0	0	---	71.1	70.5	70.5	30.239	0	0	0	0.042	72.4	54	54.8	72	9.9	0.0743	226	1	99.1	10
12/7/2014	2:00 AM	71.1	71.1	71	59	56	0	---	0	0	---	71.1	70.5	70.5	30.239	0	0	0	0.042	72.3	54	54.7	71.9	9.9	0.0743	229	1	100	10
12/7/2014	2:10 AM	71	71.1	71	59	55.9	0	---	0	0	---	71	70.4	70.4	30.237	0	0	0	0.042	72.3	54	54.7	71.9	9.9	0.0743	227	1	99.6	10
12/7/2014	2:20 AM	70.9	71	70.9	59	55.9	0	---	0	0	---	70.9	70.3	70.3	30.233	0	0	0	0.041	72.1	54	54.5	71.6	9.91	0.0743	230	1	100	10
12/7/2014	2:30 AM	70.8	70.9	70.8	59	55.8	0	---	0	0	---	70.8	70.1	70.1	30.232	0	0	0	0.04	72.1	54	54.5	71.6	9.91	0.0743	227	1	99.6	10
12/7/2014	2:40 AM	70.8	70.8	70.8	59	55.8	0	---	0	0	---	70.8	70.1	70.1	30.234	0	0	0	0.04	71.9	54	54.3	71.3	9.91	0.0744	229	1	100	10
12/7/2014	2:50 AM	70.7	70.8	70.7	59	55.7	0	---	0	0	---	70.7	70	70	30.228	0	0	0	0.04	71.9	54	54.3	71.3	9.91	0.0744	227	1	99.6	10
12/7/2014	3:00 AM	70.6	70.7	70.6	59	55.6	0	---	0	0	---	70.6	69.9	69.9	30.228	0	0	0	0.039	71.8	54	54.3	71.1	9.91	0.0744	229	1	100	10
12/7/2014	3:10 AM	70.6	70.6	70.6	59	55.6	0	---	0	0	---	70.6	69.9	69.9	30.228	0	0	0	0.039	71.8	54	54.3	71.1	9.91	0.0744	227	1	99.6	10
12/7/2014	3:20 AM	70.5	70.6	70.5	59	55.5	0	---	0	0	---	70.5	69.8	69.8	30.225	0	0	0	0.038	71.8	54	54.3	71.1	9.91	0.0744	231	1	100	10
12/7/2014	3:30 AM	70.4	70.5	70.4	59	55.4	0	---	0	0	---	70.4	69.6	69.6	30.22	0	0	0	0.038	71.6	54	54.1	70.8	9.92	0.0744	229	1	100	10
12/7/2014	3:40 AM	70.4	70.4	70.4	59	55.4	0	---	0	0	---	70.4	69.6	69.6	30.217	0	0	0	0.038	71.6	54	54.1	70.8	9.92	0.0744	227	1	99.6	10
12/7/2014	3:50 AM	70.3	70.4	70.3	59	55.3	0	---	0	0	---	70.3	69.5	69.5	30.216	0	0	0	0.037	71.4	54	53.9	70.5	9.92	0.0744	230	1	100	10
12/7/2014	4:00 AM	70.2	70.3	70.2	59	55.2	0	---	0	0	---	70.2	69.4	69.4	30.214	0	0	0	0.036	71.4	54	53.9	70.5	9.92	0.0744	228	1	100	10
12/7/2014	4:10 AM	70.2	70.3	70.2	59	55.2	0	---	0	0	---	70.2	69.4	69.4	30.218	0	0	0	0.036	71.3	54	53.8	70.4	9.92	0.0744	229	1	100	10
12/7/2014	4:20 AM	70.1	70.2	70.1	58	54.6	0	---	0	0	---	70.1	69.1	69.1	30.218	0	0	0	0.035	71.3	54	53.8	70.4	9.92	0.0744	226	1	99.1	10
12/7/2014	4:30 AM	70.1	70.1	70	58	54.6	0	---	0	0	---	70.1	69.1	69.1	30.222	0	0	0	0.035	71.3	53	53.3	70.3	9.8	0.0745	229	1	100	10
12/7/2014	4:40 AM	70	70.1	70	58	54.5	0	---	0	0	---	70	69	69	30.226	0	0	0	0.035	71.1	53	53.1	70	9.81	0.0745	227	1	99.6	10
12/7/2014	4:50 AM	69.9	70	69.9	58	54.4	0	---	0	0	---	69.9	68.9	68.9	30.23	0	0	0	0.034	71.1	53	53.1	70	9.81	0.0745	230	1	100	10
12/7/2014	5:00 AM	69.9	69.9	69.9	58	54.4	0	---	0	0	---	69.9	68.9	68.9	30.229	0	0	0	0.034	71.1	53	53.1	70	9.81	0.0745	226	1	99.1	10
12/7/2014	5:10 AM	69.8	69.9	69.8	58	54.4	0	---	0	0	---	69.8	68.8	68.8	30.234	0	0	0	0.033	70.9	53	52.9	69.7	9.81	0.0746	228	1	100	10
12/7/2014	5:20 AM	69.8	69.8	69.7	58	54.4	0	---	0	0	---	69.8	68.8	68.8	30.236	0	0	0	0.033	70.9	53	52.9	69.7	9.81	0.0746	227	1	99.6	10
12/7/2014	5:30 AM	69.7	69.8	69.7	58	54.3	0	---	0	0	---	69.7	68.8	68.8	30.236	0	0	0	0.033	70.9	53	52.9	69.7	9.81	0.0746	230	1	100	10
12/7/2014	5:40 AM	69.6	69.7	69.6	58	54.2	0	---	0	0	---	69.6	68.7	68.7	30.241	0	0	0	0.032	70.7	53	52.7	69.4	9.82	0.0746	227	1	99.6	10
12/7/2014	5:50 AM	69.6	69.7	69.6	58	54.2	0	---	0	0	---	69.6	68.7	68.7	30.244	0	0	0	0.032	70.7	53	52.7	69.4	9.82	0.0746	230	1	100	10
12/7/2014	6:00 AM	69.5	69.6	69.5	58	54.1	0	---	0	0	---	69.5	68.6	68.6	30.247	0	0	0	0.031	70.7	53	52.7	69.4	9.82	0.0746	229	1	100	10
12/7/2014	6:10 AM	69.5	69.5	69.5	58	54.1	0	---	0	0	---	69.5	68.6	68.6	30.247	0	0	0	0.031	70.6	53	52.6	69.3	9.83	0.0747	227	1	99.6	10
12/7/2014	6:20 AM	69.4	69.5	69.4	58	54	0	---	0	0	---	69.4	68.5	68.5	30.252	0	0	0	0.031	70.6	53	52.6	69.3	9.83	0.0747	229	1	100	10
12/7/2014	6:30 AM	69.4	69.4	69.3	58	54	0	---	0	0	---	69.4	68.5	68.5	30.249	0	0	0	0.031	70.6	53	52.6	69.3	9.83	0.0747	228	1	100	10
12/7/2014	6:40 AM	69.3	69.4	69.3	58	53.9	0	---	0	0	---	69.3	68.5	68.5	30.246	0	0	0	0.03	70.4	53	52.4	69.1	9.83	0.0747	230	1	100	10
12/7/2014	6:50 AM	69.3	69.3	69.2	57	53.4	0	---	0	0	---	69.3	68.4	68.4	30.247	0	0	0	0.03	70.4	53	52.4	69.1	9.83	0.0747	225	1	98.7	10
12/7/2014	7:00 AM	69.2	69.3	69.2	58	53.8	0	---	0	0	---	69.2	68.4	68.4	30.248	0	0	0	0.029	70.4	53	52.4	69.1	9.83	0.0747	231	1	100	10
12/7/2014	7:10 AM	69.2	69.2	69.1	57	53.3	0	---	0	0	---	69.2	68.3	68.3	30.247	0	0	0	0.029	70.2	53	52.3	68.8	9.84	0.0747	225	1	98.7	10
12/7/2014	7:20 AM	69.1	69.2	69.1	57	53.2	0	---	0	0	---	69.1	68.2	68.2	30.248	0	0	0	0.028	70.2	53	52.3	68.8	9.84	0.0747	229	1	100	10
12/7/2014	7:30 AM	69	69.1	69	57	53.1	0	---	0	0	---	69	68.2	68.2	30.247	0	0	0	0.028	70.2	53	52.3	68.8	9.84	0.0747	227	1	99.6	10
12/7/2014	7:40 AM	69	69.1	69	57	53.1	0	---	0	0	---	69	68.2	68.2	30.247	0	0	0	0.028	70.1	53	52.2	68.7	9.85	0.0747	231	1	100	10
12/7/2014	7:50 AM	68.9	69	68.9	57	53	0	---	0	0	---	68.9	68.1	68.1	30.25	0	0	0	0.027	70.1	53	52.2	68.7	9.85	0.0748	227	1	99.6	10
12/7/2014	8:00 AM	68.9	69	68.9	57	53	0	---	0	0	---	68.9	68.1	68.1	30.247	0	0	0	0.027	70.1	53	52.2	68.7	9.85	0.0747	230	1	100	10
12/7/2014	8:10 AM	68.9	68.9	68.8	57	53	0	---	0	0	---	68.9	68.1	68.1	30.246	0	0	0	0.027	70.1	53	52.2	68.7	9.85	0.0747	227	1	99.6	10
12/7/2014	8:20 AM	68.8	68.9	68.8	57	52.9	0	---	0	0	---	68.8	68	68	30.248	0	0	0	0.026	70.1	53	52.2	68.7	9.85	0.0747	229	1	100	10
12/7/2014	8:30 AM	68.8	68.8	68.8	58	53.4	0	---	0	0	---	68.8	68.1	68.1	30.249	0	0	0	0.026	70.1	53	52.2	68.7	9.85	0.0747	228	1	100	10
12/7/2014	8:40 AM	68.8	68.8	68.8	58	53.4	0	---	0	0	---	68.8	68.1	68.1	30.248	0	0	0	0.026	70.1	53	52.2	68.7	9.85	0.0747	229	1	100	10
12/7/2014	8:50 AM	68.7	68.8	68.7	58	53.3	0	---	0	0	---	68.7	68	68	30.25	0	0	0	0.026	70.1	53	52.2	68.7	9.85	0.0748	230	1	100	10
12/7/2014	9:00 AM	68.7	68.8	68.7	58	53.3	0	---	0	0	---	68.7	68	68	30.252	0	0	0	0.026	70.1	53	52.2	68.7	9.85	0.0748	227	1	99.6	10
12/7/2014	9:10 AM	68.7	68.7	68.7	58	53.3	0	---	0	0	---	68.7	68	68	30.251	0	0	0	0.026	70.2	53	52.3	68.8	9.84	0.0747	229	1	100	10
12/7/2014	9:20 AM	68.7	68.8	68.7	58	53.3	0	---	0	0	---	68.7	68	68	30.254	0	0	0	0.026	70.4	53	52.4	69.1	9.83	0.0747	227	1	99.6	10
12/7/2014	9:30 AM	68.7	68.8	68.7	59	53.8	0	---	0	0	---	68.7	68.1	68.1	30.256	0	0	0	0.026	70.4	53	52.4	69.1	9.83	0.0747	232	1	100	10
12/7/2014	9:40 AM	68.8	68.8	68.7	59	53.9	0	---	0	0	---	68.8	68.2	68.2	30.256	0	0	0	0.026	70.6	53	52.6	69.3	9.83	0.0747	228	1	100	10
12/7/2014	9:50 AM	68.9	68.9	68.8	59	54	0	---	0	0	---	68.9	68.2	68.2	30.258	0	0	0	0.027	70.7	53	52.7	69.4	9.82	0.0747	232	1	100	10
12/7/2014	10:00 AM	69	69	68.8	59	54.1	0	---	0	0	---	69	68.3	68.3	30.26	0	0	0	0.028	70.9	54	53.4	69.8	9.93	0.0746	227	1	99.6	10
12/7/2014	10:10 AM	69	69	68.9	60	54.5	0	---	0	0	---	69	68.4	68.4	30.262	0	0	0	0.028	71.1	54	53.6	70.1	9.93	0.0746	227	1	99.6	10
12/7/2014	10:20 AM	69.1	69.1	69	60	54.6	0	---	0	0	---	69.1	68.5	68.5	30.262	0	0	0	0.028	71.3	54	53.8	70.4	9.92	0.0746	229	1	100	10
12/7/2014	10:30 AM	69.2	69.2	69.1	60	54.7	0	---	0	0	---	69.2	68.6	68.6	30.261	0	0	0	0.029	71.4	54	53.9	70.5	9.92	0.0745	229	1	100	10
12/7/2014	10:40 AM	69.3	69.3	69.2	60	54.8	0	---	0	0	---	69.3	68.6	68.6	30.257	0	0	0	0.03	71.6	54	54.1	70.8	9.92	0.0745	229	1	100	10
12/7/2014	10:50 AM	69.4	69.4	69.3	61	55.4	0	---	0	0	---	69.4	68.8	68.8	30.25	0	0	0	0.031	71.8	54	54.3	71.1	9.91	0.0744	229	1	100	10
12/7/2014	11:00 AM	69.5	69.5	69.4	61	55.5	0	---	0	0	---	69.5	68.9	68.9	30.25	0	0	0	0.031	71.9	54	54.3	71.3	9.91	0.0744	228	1	100	10
12/7/2014	11:10 AM	69.6	69.7	69.5	61	55.6	0	---	0	0	---	69.6	69	69	30.243	0	0	0	0.032	72.1	54	54.5	71.6	9.91	0.0744	226	1	99.1	10
12/7/2014	11:20 AM	69.7	69.8	69.6	61	55.6	0	---	0	0	---	69.7	69.1	69.1	30.24	0	0	0	0.033	72.3	55	55.2	72	10.1	0.0743	229	1	100	10
12/7/2014	11:30 AM	69.9	69.9	69.7	62	56.3	0	---	0	0	---	69.9	69.3	69.3	30.236	0	0	0	0.034	72.4	55	55.3	72.1	10.1	0.0743	226	1	99.1	10
12/7/2014	11:40 AM	70	70	69.9	62	56.4	0	---	0	0	---	70	69.4	69.4	30.232	0	0	0	0.035	72.6	55	55.5	72.4	10.1	0.0742	230	1	100	10
12/7/2014	11:50 AM	70.1	70.1	70	62	56.5	0	---	0	0	---	70.1	69.5	69.5	30.227	0	0	0	0.035	72.8	56	56.2	72.8	10.29	0.0742	227	1	99.6	10
12/7/2014	12:00 PM	70.3	70.3	70.1	62	56.7	0	---	0	0	---	70.3	69.8	69.8	30.221	0	0	0	0.037	72.9	56	56.3	72.9	10.29	0.0741	230	1	100	10
12/7/2014	12:10 PM	70.4	70.4	70.3	63	57.2	0	---	0	0	---	70.4	70	70	30.215	0	0	0	0.038	73.1	56	56.5	73.2	10.29	0.0741	226	1	99.1	10
12/7/2014	12:20 PM	70.6	70.6	70.4	63	57.4	0	---	0	0	---	70.6	70.2	70.2	30.215	0	0	0	0.039	73.3	56	56.7	73.4	10.28	0.074	230	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/7/2014	12:30 PM	70.7	70.7	70.6	63	57.5	0	---	0	0	---	70.7	70.4	70.4	30.204	0	0	0	0.04	73.5	56	56.8	73.7	10.28	0.074	228	1	100	10
12/7/2014	12:40 PM	70.8	70.9	70.7	63	57.6	0	---	0	0	---	70.8	70.5	70.5	30.202	0	0	0	0.04	73.6	56	56.9	73.8	10.28	0.074	229	1	100	10
12/7/2014	12:50 PM	71	71	70.8	64	58.2	0	---	0	0	---	71	70.8	70.8	30.196	0	0	0	0.042	73.8	56	57.1	74.1	10.27	0.0739	229	1	100	10
12/7/2014	1:00 PM	71.1	71.1	71	64	58.3	0	---	0	0	---	71.1	71	71	30.191	0	0	0	0.042	74	57	57.8	74.4	10.39	0.0738	226	1	99.1	10
12/7/2014	1:10 PM	71.3	71.3	71.1	64	58.5	0	---	0	0	---	71.3	71.2	71.2	30.188	0	0	0	0.044	74	57	57.8	74.4	10.39	0.0738	230	1	100	10
12/7/2014	1:20 PM	71.4	71.4	71.3	64	58.6	0	---	0	0	---	71.4	71.4	71.4	30.184	0	0	0	0.044	74.1	57	57.9	74.5	10.39	0.0738	226	1	99.1	10
12/7/2014	1:30 PM	71.6	71.6	71.4	64	58.8	0	---	0	0	---	71.6	71.7	71.7	30.181	0	0	0	0.046	74.3	57	58.1	74.8	10.38	0.0738	230	1	100	10
12/7/2014	1:40 PM	71.7	71.7	71.5	64	58.9	0	---	0	0	---	71.7	71.8	71.8	30.184	0	0	0	0.047	74.5	56	57.8	74.9	10.26	0.0738	226	1	99.1	10
12/7/2014	1:50 PM	71.8	71.8	71.7	64	59	0	---	0	0	---	71.8	71.9	71.9	30.18	0	0	0	0.047	74.7	56	58	75.2	10.26	0.0737	229	1	100	10
12/7/2014	2:00 PM	72	72	71.8	64	59.2	0	---	0	0	---	72	72.2	72.2	30.18	0	0	0	0.049	74.7	56	58	75.2	10.26	0.0737	228	1	100	10
12/7/2014	2:10 PM	72.1	72.1	71.9	64	59.2	0	---	0	0	---	72.1	72.4	72.4	30.172	0	0	0	0.049	74.8	56	58.1	75.3	10.25	0.0737	229	1	100	10
12/7/2014	2:20 PM	72.2	72.2	72.1	63	58.9	0	---	0	0	---	72.2	72.4	72.4	30.174	0	0	0	0.05	75	56	58.2	75.6	10.25	0.0736	227	1	99.6	10
12/7/2014	2:30 PM	72.3	72.3	72.2	63	59	0	---	0	0	---	72.3	72.6	72.6	30.173	0	0	0	0.051	75	55	57.7	75.5	10.05	0.0737	229	1	100	10
12/7/2014	2:40 PM	72.4	72.4	72.3	63	59.1	0	---	0	0	---	72.4	72.7	72.7	30.168	0	0	0	0.051	75.2	55	57.9	75.7	10.04	0.0736	225	1	98.7	10
12/7/2014	2:50 PM	72.5	72.5	72.4	63	59.2	0	---	0	0	---	72.5	72.9	72.9	30.168	0	0	0	0.052	75.3	55	58	75.7	10.04	0.0736	231	1	100	10
12/7/2014	3:00 PM	72.6	72.6	72.5	63	59.3	0	---	0	0	---	72.6	73	73	30.169	0	0	0	0.053	75.3	55	58	75.7	10.04	0.0736	228	1	100	10
12/7/2014	3:10 PM	72.7	72.7	72.6	63	59.4	0	---	0	0	---	72.7	73.1	73.1	30.171	0	0	0	0.053	75.5	55	58.2	75.9	10.03	0.0736	231	1	100	10
12/7/2014	3:20 PM	72.8	72.9	72.7	63	59.5	0	---	0	0	---	72.8	73.3	73.3	30.167	0	0	0	0.054	75.5	55	58.2	75.9	10.03	0.0736	229	1	100	10
12/7/2014	3:30 PM	72.9	72.9	72.8	63	59.6	0	---	0	0	---	72.9	73.4	73.4	30.165	0	0	0	0.055	75.7	55	58.4	76.1	10.02	0.0735	229	1	100	10
12/7/2014	3:40 PM	73	73	72.9	63	59.7	0	---	0	0	---	73	73.6	73.6	30.167	0	0	0	0.056	75.7	55	58.4	76.1	10.02	0.0735	230	1	100	10
12/7/2014	3:50 PM	73.1	73.1	73	62	59.3	0	---	0	0	---	73.1	73.7	73.7	30.169	0	0	0	0.056	75.9	55	58.6	76.2	10.01	0.0735	228	1	100	10
12/7/2014	4:00 PM	73.2	73.2	73.1	62	59.4	0	---	0	0	---	73.2	73.8	73.8	30.159	0	0	0	0.057	75.9	55	58.6	76.2	10.01	0.0735	232	1	100	10
12/7/2014	4:10 PM	73.3	73.3	73.2	62	59.5	0	---	0	0	---	73.3	73.9	73.9	30.159	0	0	0	0.058	76	55	58.7	76.3	10.01	0.0734	226	1	99.1	10
12/7/2014	4:20 PM	73.4	73.4	73.3	62	59.6	0	---	0	0	---	73.4	74.1	74.1	30.162	0	0	0	0.058	76	55	58.7	76.3	10.01	0.0735	231	1	100	10
12/7/2014	4:30 PM	73.4	73.5	73.4	62	59.6	0	---	0	0	---	73.4	74.1	74.1	30.164	0	0	0	0.058	76	55	58.7	76.3	10.01	0.0735	225	1	98.7	10
12/7/2014	4:40 PM	73.5	73.5	73.4	62	59.7	0	---	0	0	---	73.5	74.2	74.2	30.174	0	0	0	0.059	76	54	58.2	76.2	9.83	0.0735	229	1	100	10
12/7/2014	4:50 PM	73.6	73.6	73.5	62	59.8	0	---	0	0	---	73.6	74.3	74.3	30.165	0	0	0	0.06	76.2	54	58.3	76.4	9.83	0.0734	226	1	99.1	10
12/7/2014	5:00 PM	73.6	73.6	73.6	62	59.8	0	---	0	0	---	73.6	74.3	74.3	30.163	0	0	0	0.06	76.2	54	58.3	76.4	9.83	0.0734	229	1	100	10
12/7/2014	5:10 PM	73.7	73.7	73.6	62	59.9	0	---	0	0	---	73.7	74.5	74.5	30.169	0	0	0	0.06	76.2	54	58.3	76.4	9.83	0.0735	228	1	100	10
12/7/2014	5:20 PM	73.7	73.7	73.7	62	59.9	0	---	0	0	---	73.7	74.5	74.5	30.167	0	0	0	0.06	76.2	54	58.3	76.4	9.83	0.0735	229	1	100	10
12/7/2014	5:30 PM	73.7	73.8	73.7	62	59.9	0	---	0	0	---	73.7	74.5	74.5	30.173	0	0	0	0.06	76.2	54	58.3	76.4	9.83	0.0735	226	1	99.1	10
12/7/2014	5:40 PM	73.8	73.8	73.7	62	60	0	---	0	0	---	73.8	74.6	74.6	30.172	0	0	0	0.061	76.2	54	58.3	76.4	9.83	0.0735	228	1	100	10
12/7/2014	5:50 PM	73.8	73.8	73.8	62	60	0	---	0	0	---	73.8	74.6	74.6	30.171	0	0	0	0.061	76.2	54	58.3	76.4	9.83	0.0735	227	1	99.6	10
12/7/2014	6:00 PM	73.9	73.9	73.8	61	59.6	0	---	0	0	---	73.9	74.7	74.7	30.171	0	0	0	0.062	76.2	54	58.3	76.4	9.83	0.0735	228	1	100	10
12/7/2014	6:10 PM	73.9	73.9	73.9	61	59.6	0	---	0	0	---	73.9	74.7	74.7	30.173	0	0	0	0.062	76.2	54	58.3	76.4	9.83	0.0735	229	1	100	10
12/7/2014	6:20 PM	73.9	73.9	73.9	61	59.6	0	---	0	0	---	73.9	74.7	74.7	30.17	0	0	0	0.062	76.2	54	58.3	76.4	9.83	0.0735	227	1	99.6	10
12/7/2014	6:30 PM	73.9	74	73.9	61	59.6	0	---	0	0	---	73.9	74.7	74.7	30.17	0	0	0	0.062	76.2	54	58.3	76.4	9.83	0.0735	231	1	100	10
12/7/2014	6:40 PM	74	74	73.9	61	59.7	0	---	0	0	---	74	74.8	74.8	30.17	0	0	0	0.063	76.2	54	58.3	76.4	9.83	0.0735	226	1	99.1	10
12/7/2014	6:50 PM	74	74	74	61	59.7	0	---	0	0	---	74	74.8	74.8	30.164	0	0	0	0.063	76.2	54	58.3	76.4	9.83	0.0734	232	1	100	10
12/7/2014	7:00 PM	74	74	74	61	59.7	0	---	0	0	---	74	74.8	74.8	30.163	0	0	0	0.063	76.2	54	58.3	76.4	9.83	0.0734	227	1	99.6	10
12/7/2014	7:10 PM	74	74	74	61	59.7	0	---	0	0	---	74	74.8	74.8	30.163	0	0	0	0.063	76.2	54	58.3	76.4	9.83	0.0734	229	1	100	10
12/7/2014	7:20 PM	74	74	74	61	59.7	0	---	0	0	---	74	74.8	74.8	30.167	0	0	0	0.063	76.2	54	58.3	76.4	9.83	0.0735	227	1	99.6	10
12/7/2014	7:30 PM	74.1	74.1	74	61	59.8	0	---	0	0	---	74.1	74.9	74.9	30.163	0	0	0	0.063	76.2	54	58.3	76.4	9.83	0.0734	229	1	100	10
12/7/2014	7:40 PM	74	74.1	74	61	59.7	0	---	0	0	---	74	74.8	74.8	30.163	0	0	0	0.063	76.2	54	58.3	76.4	9.83	0.0734	228	1	100	10
12/7/2014	7:50 PM	74	74.1	74	61	59.7	0	---	0	0	---	74	74.8	74.8	30.162	0	0	0	0.063	76.2	54	58.3	76.4	9.83	0.0734	229	1	100	10
12/7/2014	8:00 PM	74.1	74.1	74	61	59.8	0	---	0	0	---	74.1	74.9	74.9	30.161	0	0	0	0.063	76.2	54	58.3	76.4	9.83	0.0734	227	1	99.6	10
12/7/2014	8:10 PM	74.1	74.1	74	61	59.8	0	---	0	0	---	74.1	74.9	74.9	30.165	0	0	0	0.063	76	54	58.2	76.2	9.83	0.0735	229	1	100	10
12/7/2014	8:20 PM	74	74.1	74	61	59.7	0	---	0	0	---	74	74.8	74.8	30.166	0	0	0	0.063	76	53	57.6	76.2	9.65	0.0735	229	1	100	10
12/7/2014	8:30 PM	74	74	74	60	59.2	0	---	0	0	---	74	74.7	74.7	30.172	0	0	0	0.063	75.9	53	57.5	76.1	9.65	0.0735	229	1	100	10
12/7/2014	8:40 PM	74	74	74	60	59.2	0	---	0	0	---	74	74.7	74.7	30.171	0	0	0	0.063	75.9	53	57.5	76.1	9.65	0.0735	227	1	99.6	10
12/7/2014	8:50 PM	73.9	74	73.9	60	59.1	0	---	0	0	---	73.9	74.6	74.6	30.17	0	0	0	0.062	75.7	53	57.4	75.9	9.65	0.0736	229	1	100	10
12/7/2014	9:00 PM	73.9	74	73.9	60	59.1	0	---	0	0	---	73.9	74.6	74.6	30.171	0	0	0	0.062	75.5	53	57.2	75.8	9.65	0.0736	228	1	100	10
12/7/2014	9:10 PM	73.9	73.9	73.8	60	59.1	0	---	0	0	---	73.9	74.6	74.6	30.171	0	0	0	0.062	75.5	53	57.2	75.8	9.65	0.0736	225	1	98.7	10
12/7/2014	9:20 PM	73.8	73.8	73.8	60	59	0	---	0	0	---	73.8	74.4	74.4	30.171	0	0	0	0.061	75.3	53	57	75.6	9.65	0.0736	231	1	100	10
12/7/2014	9:30 PM	73.7	73.8	73.7	59	58.5	0	---	0	0	---	73.7	74.2	74.2	30.17	0	0	0	0.06	75.3	53	57	75.6	9.65	0.0736	225	1	98.7	10
12/7/2014	9:40 PM	73.7	73.7	73.6	59	58.5	0	---	0	0	---	73.7	74.2	74.2	30.167	0	0	0	0.06	75.2	53	56.9	75.5	9.65	0.0737	230	1	100	10
12/7/2014	9:50 PM	73.6	73.7	73.6	59	58.4	0	---	0	0	---	73.6	74.1	74.1	30.164	0	0	0	0.06	75.2	53	56.9	75.5	9.65	0.0736	227	1	99.6	10
12/7/2014	10:00 PM	73.5	73.6	73.5	59	58.3	0	---	0	0	---	73.5	74	74	30.165	0	0	0	0.059	75	53	56.7	75.3	9.65	0.0737	227	1	99.6	10
12/7/2014	10:10 PM	73.4	73.5	73.4	59	58.2	0	---	0	0	---	73.4	73.8	73.8	30.163	0	0	0	0.058	74.8	53	56.5	75.1	9.66	0.0737	226	1	99.1	10
12/7/2014	10:20 PM	73.3	73.5	73.3	59	58.1	0	---	0	0	---	73.3	73.7	73.7	30.159	0	0	0	0.058	74.8	53	56.5	75.1	9.66	0.0737	231	1	100	10
12/7/2014	10:30 PM	73.3	73.4	73.3	58	57.6	0	---	0	0	---	73.3	73.6	73.6	30.157	0	0	0	0.058	74.7	53	56.4	74.9	9.66	0.0737	228	1	100	10
12/7/2014	10:40 PM	73.2	73.3	73.2	58	57.5	0	---	0	0	---	73.2	73.5	73.5	30.162	0	0	0	0.057	74.7	53	56.4	74.9	9.66	0.0737	229	1	100	10
12/7/2014	10:50 PM	73.1	73.2	73.1	58	57.4	0	---	0	0	---	73.1	73.4	73.4	30.164	0	0	0	0.056	74.5	53	56.2	74.7	9.67	0.0738	227	1	99.6	10
12/7/2014	11:00 PM	73	73.1	73	58	57.3	0	---	0	0	---	73	73.2	73.2	30.157	0	0	0	0.056	74.5	53	56.2	74.7	9.67	0.0737	231	1	100	10
12/7/2014	11:10 PM	73	73	73	58	57.3	0	---	0	0	---	73	73.2	73.2	30.158	0	0	0	0.056	74.3	53	56.1	74.4	9.68	0.0738	228	1	100	10
12/7/2014	11:20 PM	72.9	73	72.9	58	57.3	0	---	0	0	---	72.9	73.1	73.1	30.16	0	0	0	0.055	74.1	53	55.9	74.1	9.69	0.0738	229	1	100	10
12/7/2014	11:30 PM	72.8	72.9	72.8	58	57.2	0	---	0	0	---	72.8	72.9	72.9	30.161	0	0	0	0.054	74.1	53	55.9	74.1	9.69	0.0738	229	1	100	10
12/7/2014	11:40 PM	72.7	72.8	72.7	58	57.1	0	---	0	0	---	72.7	72.8	72.8	30.163	0	0	0	0.053	74.1	53	55.9	74.1	9.69	0.0738	226	1	99.1	10
12/7/2014	11:50 PM	72.6	72.7	72.6	58	57	0	---	0	0	---	72.6	72.6	72.6	30.16	0	0	0	0.053	74	53	55.8	74	9.69	0.0738	231	1	100	10
12/8/2014	12:10 AM	72.5	72.6	72.5	58	56.9	0	---	0	0	---	72.5	72.5	72.5	30.162	0	0	0	0.052	73.8	53	55.6	73.8	9.7	0.0739	229	1	100	10
12/8/2014	12:20 AM	72.4	72.5	72.4	58	56.8	0	---	0	0	---	72.4	72.3	72.3	30.157	0	0	0	0.051	73.8	53	55.6	73.8	9.7	0.0739	226	1	99.1	10
12/8/2014	12:30 AM	72.4	72.4	72.4	58	56.8	0	---	0	0	---	72.4	72.3	72.3	30.161	0	0	0	0.051	73.6	53	55.4	73.5	9.71	0.0739	231	1	100	10
12/8/2014	12:40 AM	72.3	72.4	72.2	58	56.7	0	---	0	0	---	72.3	72.2	72.2	30.157	0	0	0	0.051	73.6	53	55.4	73.5	9.71	0.0739	226	1	99.1	10
12/8/2014	12:50 AM	72.2	72.3	72.2	58	56.6	0	---	0	0	---	72.2	72	72	30.156	0	0	0	0.05	73.5	53	55.3	73.4	9.71	0.0739	229	1	100	10
12/8/2014	1:00 AM	72.1	72.2	72.1	58	56.5	0	---	0	0	---	72.1	71.9	71.9	30.162	0	0	0	0.049	73.5	53	55.3	73.4	9.71	0.0739	227	1	99.6	10
12/8/2014	1:10 AM	72.1	72.1	72.1	58	56.5	0	---	0	0	---	72.1	71.9	71.9	30.166	0	0	0	0.049	73.5	53	55.3	73.4	9.71	0.0739	228	1	100	10
12/8/2014	1:20 AM	72	72.1	72	58	56.4	0	---	0	0	---	72	71.7	71.7	30.168	0	0	0	0.049	73.3	53	55.1	73.2	9.72	0.074	227	1	99.6	10
12/8/2014	1:30 AM	71.9	72	71.9	58	56.3	0	---	0	0	---	71.9	71.6	71.6	30.166	0	0	0	0.048	73.3	53	55.1	73.2	9.72	0.074	229	1	100	10
12/8/2014	1:40 AM	71.9	71.9	71.9	58	56.3	0	---	0	0	---	71.9	71.6	71.6	30.164	0	0	0	0.048	73.1	53	54.9	72.9	9.73	0.074	228	1	100	10
12/8/2014	1:50 AM	71.8	71.9	71.8	58	56.2	0	---	0	0	---	71.8	71.5	71.5	30.163	0	0	0	0.047	73.1	53	54.9	72.9	9.73	0.074	228	1	100	10
12/8/2014	2:00 AM	71.7	71.8	71.7	58	56.1	0	---	0	0	---	71.7	71.3	71.3	30.16	0	0	0	0.047	72.9	53	54.8	72.7	9.73	0.074	226	1	99.1	10
12/8/2014	2:10 AM	71.7	71.7	71.6	58	56.1	0	---	0	0	---	71.7	71.3	71.3	30.16	0	0	0	0.047	72.9	53	54.8	72.7	9.73	0.074	228	1	100	10
12/8/2014	2:20 AM	71.6	71.7	71.6	58	56	0	---	0	0	---	71.6	71.2	71.2	30.157	0	0	0	0.046	72.9	53	54.8	72.7	9.73	0.074	228	1	100	10
12/8/2014	2:30 AM	71.5	71.6	71.5	58	55.9	0	---	0	0	---	71.5	71	71	30.152	0	0	0	0.045	72.8	53	54.7	72.5	9.74	0.074	226	1	99.1	10
12/8/2014	2:40 AM	71.5	71.5	71.4	58	55.9	0	---	0	0	---	71.5	71	71	30.151	0	0	0	0.045	72.8	53	54.7	72.5	9.74	0.074	231	1	100	10
12/8/2014	2:50 AM	71.4	71.5	71.4	58	55.9	0	---	0	0	---	71.4	70.9	70.9	30.152	0	0	0	0.044	72.6	53	54.5	72.2	9.75	0.0741	227	1	99.6	10
12/8/2014	3:00 AM	71.3	71.4	71.3	58	55.8	0	---	0	0	---	71.3	70.7	70.7	30.147	0	0	0	0.044	72.6	52	54	72.1	9.6	0.0741	231	1	100	10
12/8/2014	3:10 AM	71.3	71.3	71.3	58	55.8	0	---	0	0	---	71.3	70.7	70.7	30.145	0	0	0	0.044	72.6	52	54	72.1	9.6	0.0741	225	1	98.7	10
12/8/2014	3:20 AM	71.2	71.3	71.2	58	55.7	0	---	0	0	---	71.2	70.6	70.6	30.144	0	0	0	0.043	72.4	52	53.8	71.8	9.6	0.0741	231	1	100	10
12/8/2014	3:30 AM	71.2	71.2	71.2	58	55.7	0	---	0	0	---	71.2	70.6	70.6	30.141	0	0	0	0.043	72.4	52	53.8	71.8	9.6	0.0741	224	1	98.2	10
12/8/2014	3:40 AM	71.1	71.2	71.1	57	55.1	0	---	0	0	---	71.1	70.3	70.3	30.133	0	0	0	0.042	72.4	52	53.8	71.8	9.6	0.0741	230	1	100	10
12/8/2014	3:50 AM	71	71.1	71	57	55	0	---	0	0	---	71	70.2	70.2	30.13	0	0	0	0.042	72.3	52	53.7	71.7	9.6	0.0741	227	1	99.6	10
12/8/2014	4:00 AM	71	71.1	71	57	55	0	---	0	0	---	71	70.2	70.2	30.125	0	0	0	0.042	72.3	52	53.7	71.7	9.6	0.0741	228	1	100	10

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chil	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum	In Dew	In Head	In EMC	In Air Density	Wind Samp	Wind Tx	Iss Recept	Arc. Int.
12/8/2014	4:10 AM	70.9	71	70.9	57	54.9	0	---	0	0	---	70.9	70.1	70.1	30.119	0	0	0	0.041	72.3	52	53.7	71.7	9.6	0.0741	228	1	100	10
12/8/2014	4:20 AM	70.9	70.9	70.9	57	54.9	0	---	0	0	---	70.9	70.1	70.1	30.118	0	0	0	0.041	72.1	52	53.5	71.4	9.61	0.0741	229	1	100	10
12/8/2014	4:30 AM	70.8	70.9	70.8	57	54.8	0	---	0	0	---	70.8	69.9	69.9	30.118	0	0	0	0.04	72.1	52	53.5	71.4	9.61	0.0741	229	1	100	10
12/8/2014	4:40 AM	70.8	70.8	70.8	57	54.8	0	---	0	0	---	70.8	69.9	69.9	30.116	0	0	0	0.04	72.1	52	53.5	71.4	9.61	0.0741	224	1	98.2	10
12/8/2014	4:50 AM	70.7	70.8	70.7	57	54.7	0	---	0	0	---	70.7	69.8	69.8	30.119	0	0	0	0.04	71.9	52	53.3	71.1	9.61	0.0741	229	1	100	10
12/8/2014	5:00 AM	70.7	70.7	70.7	57	54.7	0	---	0	0	---	70.7	69.8	69.8	30.13	0	0	0	0.04	71.9	52	53.3	71.1	9.61	0.0742	227	1	99.6	10
12/8/2014	5:10 AM	70.6	70.7	70.6	57	54.6	0	---	0	0	---	70.6	69.7	69.7	30.132	0	0	0	0.039	71.9	52	53.3	71.1	9.61	0.0742	229	1	100	10
12/8/2014	5:20 AM	70.6	70.6	70.6	57	54.6	0	---	0	0	---	70.6	69.7	69.7	30.133	0	0	0	0.039	71.8	52	53.2	71	9.61	0.0742	227	1	99.6	10
12/8/2014	5:30 AM	70.5	70.6	70.5	57	54.5	0	---	0	0	---	70.5	69.5	69.5	30.137	0	0	0	0.038	71.8	52	53.2	71	9.61	0.0742	230	1	100	10
12/8/2014	5:40 AM	70.5	70.5	70.5	57	54.5	0	---	0	0	---	70.5	69.5	69.5	30.143	0	0	0	0.038	71.8	52	53.2	71	9.61	0.0742	225	1	98.7	10
12/8/2014	5:50 AM	70.4	70.5	70.4	57	54.4	0	---	0	0	---	70.4	69.4	69.4	30.142	0	0	0	0.038	71.6	52	53	70.7	9.62	0.0742	230	1	100	10
12/8/2014	6:00 AM	70.4	70.4	70.4	57	54.4	0	---	0	0	---	70.4	69.4	69.4	30.149	0	0	0	0.038	71.6	52	53	70.7	9.62	0.0743	225	1	98.7	10
12/8/2014	6:10 AM	70.3	70.4	70.3	57	54.3	0	---	0	0	---	70.3	69.3	69.3	30.151	0	0	0	0.037	71.6	52	53	70.7	9.62	0.0743	230	1	100	10
12/8/2014	6:20 AM	70.3	70.4	70.3	57	54.3	0	---	0	0	---	70.3	69.3	69.3	30.155	0	0	0	0.037	71.6	52	53	70.7	9.62	0.0743	228	1	100	10
12/8/2014	6:30 AM	70.3	70.3	70.2	57	54.3	0	---	0	0	---	70.3	69.3	69.3	30.158	0	0	0	0.037	71.4	52	52.9	70.4	9.62	0.0743	230	1	100	10
12/8/2014	6:40 AM	70.2	70.3	70.2	57	54.2	0	---	0	0	---	70.2	69.2	69.2	30.16	0	0	0	0.036	71.4	52	52.9	70.4	9.62	0.0743	228	1	100	10
12/8/2014	6:50 AM	70.2	70.2	70.1	57	54.2	0	---	0	0	---	70.2	69.2	69.2	30.159	0	0	0	0.036	71.4	52	52.9	70.4	9.62	0.0743	226	1	99.1	10
12/8/2014	7:00 AM	70.1	70.2	70.1	57	54.2	0	---	0	0	---	70.1	69	69	30.154	0	0	0	0.035	71.3	52	52.8	70.2	9.62	0.0743	229	1	100	10
12/8/2014	7:10 AM	70.1	70.1	70.1	57	54.2	0	---	0	0	---	70.1	69	69	30.158	0	0	0	0.035	71.3	52	52.8	70.2	9.62	0.0743	226	1	99.1	10
12/8/2014	7:20 AM	70	70.1	70	57	54.1	0	---	0	0	---	70	68.9	68.9	30.159	0	0	0	0.035	71.3	52	52.8	70.2	9.62	0.0743	230	1	100	10
12/8/2014	7:30 AM	70	70	70	57	54.1	0	---	0	0	---	70	68.9	68.9	30.161	0	0	0	0.035	71.3	52	52.8	70.2	9.62	0.0743	227	1	99.6	10
12/8/2014	7:40 AM	69.9	70	69.9	57	54	0	---	0	0	---	69.9	68.8	68.8	30.163	0	0	0	0.034	71.4	52	52.9	70.4	9.62	0.0743	230	1	100	10
12/8/2014	7:50 AM	69.9	70	69.9	57	54	0	---	0	0	---	69.9	68.8	68.8	30.162	0	0	0	0.034	71.6	52	53	70.7	9.62	0.0743	226	1	99.1	10
12/8/2014	8:00 AM	69.9	69.9	69.9	57	54	0	---	0	0	---	69.9	68.8	68.8	30.168	0	0	0	0.034	71.6	52	53	70.7	9.62	0.0743	229	1	100	10
12/8/2014	8:10 AM	69.9	69.9	69.9	57	54	0	---	0	0	---	69.9	68.8	68.8	30.168	0	0	0	0.034	71.6	52	53	70.7	9.62	0.0743	225	1	98.7	10
12/8/2014	8:20 AM	70	70	69.9	57	54.1	0	---	0	0	---	70	68.9	68.9	30.171	0	0	0	0.035	71.8	52	53.2	71	9.61	0.0743	230	1	100	10
12/8/2014	8:30 AM	70	70	69.9	57	54.1	0	---	0	0	---	70	68.9	68.9	30.168	0	0	0	0.035	71.9	52	53.3	71.1	9.61	0.0743	227	1	99.6	10
12/8/2014	8:40 AM	70	70	69.9	58	54.5	0	---	0	0	---	70	69	69	30.166	0	0	0	0.035	72.1	52	53.5	71.4	9.61	0.0742	231	1	100	10
12/8/2014	8:50 AM	70.1	70.1	70	58	54.6	0	---	0	0	---	70.1	69.1	69.1	30.168	0	0	0	0.035	72.4	55	55.3	72.1	10.1	0.0741	226	1	99.1	10
12/8/2014	9:00 AM	70.1	70.1	70.1	58	54.6	0	---	0	0	---	70.1	69.1	69.1	30.17	0	0	0	0.035	72.8	53	54.7	72.5	9.74	0.0741	228	1	100	10
12/8/2014	9:10 AM	70.1	70.2	70.1	58	54.6	0	---	0	0	---	70.1	69.1	69.1	30.173	0	0	0	0.035	72.9	53	54.8	72.7	9.73	0.0741	228	1	100	10
12/8/2014	9:20 AM	70.2	70.2	70.1	59	55.2	0	---	0	0	---	70.2	69.4	69.4	30.174	0	0	0	0.036	73.1	52	54.4	72.8	9.59	0.0741	201	1	88.2	10
12/8/2014	9:30 AM	71.3	71.3	71.3	57	55.3	0	---	0	0	---	71.3	70.6	70.6	30.171	0	0	0	0.044	73.3	52	54.6	73.1	9.58	0.074	208	1	91.2	10

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Attachment D

Inspector Licenses

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Steven A Sanchez

Name

Certification No. **12-4942**

Expires on **09/19/15**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California Department of Public Health

Lead-Related Construction Certificate

Certificate Type

Expiration Date

Sampling Technician 05/05/2015

Steven Sanchez

ID #: 24606

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ANALYST ACKNOWLEDGMENT FORM (VERSION 1.0 4/11/12)

To be completed by each analyst seeking inclusion into the Arcadis-US Phase Contrast Microscopy Field Analysis Program.

I, Steven Sanchez have read the "Standard Operating Procedures and Quality Assurance and Quality Control Procedures" (Rev #0 2012-02-22), including the latest version of the NIOSH 7400 Method and acknowledge that the analytical practices and equipment described herein, are available and will be used by me.

Analyst Name
Steven Sanchez

Analyst Signature	Date
Steven Sanchez	12/14/14

Notes:	Date

CERTIFICATE NUMBER

35732

Certificate of Attendance

This is to Certify that

STEVEN A. SANCHEZ

Has Completed the Course of

AIR SAMPLING & ANALYSIS OF AIRBORNE ASBESTOS (NIOSH-582 EQUIVALENT)

For purposes of accreditation under section 206 of the Toxic Substances Control Act (TSCA) and compliance with AMAP in accordance with 59 FR 5236 effective April 1994

ARMANDO DUCOING
DIRECTOR

July 29, 2011	**E072511NIOSH582 072511**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

3930 E. Miraloma Avenue, Unit G . Anaheim, CA 92806 . Ph (714) 480-0111 . Fax (714) 480-0222

www.ecologicsonline.com

State of California
Division of Occupational Safety and Health

Certified Asbestos Consultant

Arthur Ackerman
Name

Certification No. **07-4227**

Expires on **07/19/15**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

CTL Environmental Services

Certifies that

Art Ackerman

Has successfully completed 40 hours

Of training equivalent to the NIOSH course

for sampling and evaluating airborne

asbestos (NIOSH Course 582) as required

by 29 CFR Part 1926.58

Certificate Date: August 5, 1998

Certificate Number: 080598

Sharon F. Fleming
Instructor

Sharon F Fleming

ARCADIS

Attachment E

Daily Field Reports, Pre- and Post-Abatement Checklists

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER:

CLIENT: SMMUSD

ARCADIS PERSONNEL: Steven Sanchez

DATE: 11/20/14

WORK LOCATION: BLDG B Classrooms 7-11, BLDG H, BLDG R, BLDG D & BLDG J-

TIME	Observations / Activities
0600	S. Sanchez arrives at job site and meets with Ramon w/ matrix. We go over scope of work and walk the work areas. All containments are intact with proper warning signs posted out side containments. All workers certifications are checked, all are current, as well as medical records.
0800	Jeff Johnson arrives to job site and conducts a safety meeting w/ matrix. Workers given ok to start lead abatement. Workers suit up in full PPE w/ respirators on and enter into the containment.
1100-1150	Workers break for lunch.
1200	Workers continue to work inside the containment.
1500	Workers continue to work inside the containment in full PPE w/ respirators on, No changes noted. Air surveillance continues.
1630	Lead cassetter collected and labeled to be taken to lab, workers end there shift. Containment sealed off.
1655	S. Sanchez off job site.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: _____ Client: SMMUSD Date: 11/20/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG B (CLASSROOMS 7-11.) BLDG H, BLDG K, BLDG D & BLDG J.

Type/Quantity of Material to be Removed: 9 DOORS & DOOR CASINGS / JAMS & 54 WINDOWS / WINDOW SILL.

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: (Yes) / No If deficiency, describe corrective action: _____

AFUs functioning properly: (Yes) / No If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: (Yes) / No Number of AFUs in Work Area: 5

Manometer Functioning Properly (Yes) / No If No, describe: N/A

Other Deficiencies Noted N/A

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: (Yes) / No HEPA Vacuums Used: (Yes) / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: (Yes) / No Bags Double Bagged: (Yes) / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: Storage Bin

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: N/A

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: No

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift 35

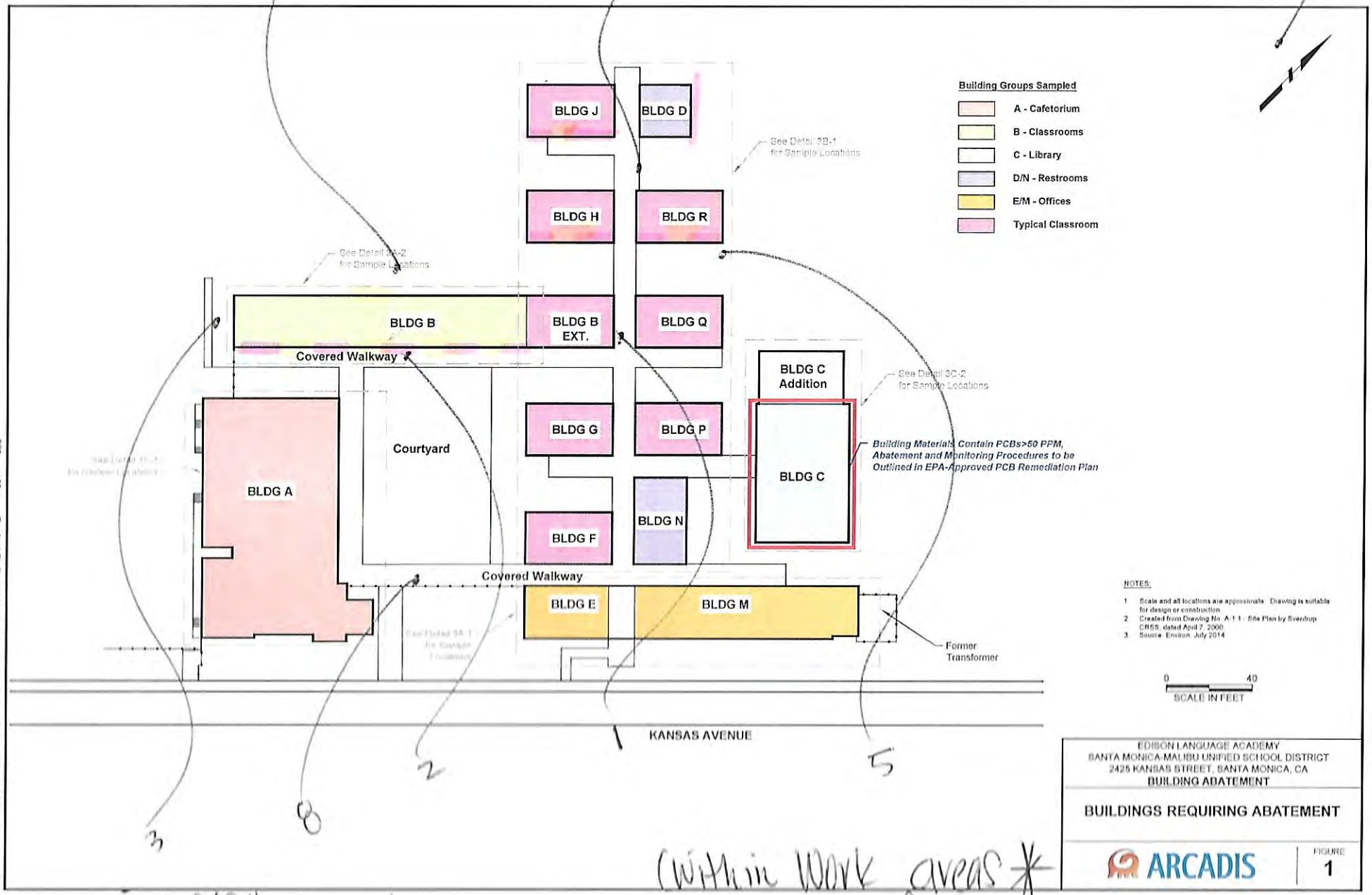
Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: (Yes) / No / NA

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

Other Observations: _____

ARCADIS IH Representative: Julian Sanchez ARCADIS IH Rep Signature: Julian Sanchez

ARCADIS Checked by: _____



windows/sills removed

Doors/door frames removed.

(within work areas *

* All porcelain sinks were previously removed, Status of locations unknown *

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ABATEMENT MONITORING FINAL INSPECTION

Project Number: Edison Lang Academy Client: SMMUSD Date: 11/20/14

Building/Location Name: BLDG B Classrooms 7-11 Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG B Classrooms 7-11, BLDG H, BLDG I2, BLDG D & BLDG J.

Type/Quantity of Material Removed: 9 Doors & Door Casings/Jams & 54 windows/window Sills.

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass ____ Fail If No, describe why: ____

Settled dust: ✓ Pass ____ Fail If No, describe why: ____

Work area dry: ✓ Pass ____ Fail If No, describe why: ____

Hand wipe: ✓ Pass ____ Fail If No, describe why: ____

Flashlight: ✓ Pass ____ Fail If No, describe why: ____

Corrective Actions Requested: N/A

Work Area Final Visual Inspection: ✓ **Pass** ____ **Fail**

SEALANT

Is sealant a different color from substrate? (Yes) / No If No, describe why: N/A

Are all exposed surfaces coated? (Yes) / No If No, describe why: N/A

FINAL CLEARANCE

Asbestos

Clearance criteria: AHERA State Specific: N/A SPECIFICATIONS

Describe protocol: N/A

Clearance level: ≤0.01 f/cc ≤70 str/mm² 0.1 f/cc Other: N/A

Aggressive: Yes / No Boxfans: Yes / No Number: N/A Leafblower: Yes / No

Number of samples inside containment: N/A Number of samples outside containment: N/A

Lead

Clearance criteria: (EPA/HUD) State Specific: CA SPECIFICATIONS

Wipe sample location(s): ____

Clearance level: Floors: (40µg/ft²) W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other: ____

Microbial

Sampling protocols: Spore traps: # and type N/A Surface swabs: # and type: N/A

Culture plates: # and type: N/A Other: N/A

Clearance criteria: (describe) N/A

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: ____

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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: _____ Client: SMMUSD Date: 11/20/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave, Santa Monica, CA

Specific Work Area Location: BLDG B (CLASSROOMS 7-11-), BLDG H, BLDG E, BLDG J & BLDG D.

Type/Quantity of Material to be Removed: 9 DOORS & DOOR CASINGS/JAMB & 54 WINDOWS / WINDOW SILL.

WORK AREA ISOLATION:

Decontamination Chamber: ___ 1-Stage ___ 2-Stage ✓ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ✓ HVAC System ✓ Electricity ✓ Gas Other: N/A

Pre-cleaning of surfaces: (Yes) / No / NA If No or NA, describe why: _____

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State: CA

Critical Barriers: (Yes) / No ✓ Doors/Windows ✓ Vents/HVAC ✓ Floor Drains Other: N/A

Layers of Poly for Containment: 2 Walls 2 Floors 2 Ceilings N/A Unmovable Equipment

If no containment, describe isolation controls: N/A

Negative Pressure Required: (Yes) / No Number of AFUs installed in work area: 5 Backup available: (Yes) / No

Calculation of Required # of AFUs: N/A

Number of Air Changes per Hour: N/A Type of Manometer Used: N/A

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities: N/A

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: (Yes) / No Shower Drain Has Proper 5 µM Filter: (Yes) / No

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: N/A

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No

NIOSH Approved Respirators: (Yes) / No If No, describe why: _____

Type of Respirators: Half face Dual Use Cartridges: (Yes) / No If Yes, type: North

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required: gloves, safety glasses & rubber boots.

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: _____

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METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Hand held tools -

Describe work engineering control practices that will be used during the removal process:

foil PPE & wet methods.

Glovebags Used for Project: *Yes* / (*No*) G-bags Negative Pressure Supplied by: N/A HEPA Vacuum N/A HEPA AFU

Each G-bag Smoke Tested: *Yes* / (*No*) Drop Cloth Used: *Yes* / (*No*) 2 Workers per G-bag: *Yes* / (*No*)

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / (*No*)

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

"SEE Separate Drawing"

PRE-ABATEMENT INSPECTION OF WORK AREA: (*PASS*) / *FAIL*

Corrective Actions Requested Prior to Approval: NO

ARCADIS IH Representative: Steven Sarchese ARCADIS IH Rep Signature: Steven Sarchese

ARCADIS Checked by: _____

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER:

CLIENT: SMMUSD

ARCADIS PERSONNEL: Steven Sanchez

DATE: 11/21/14

WORK LOCATION: BLDG B, A, H, P, J & D -

TIME	Observations / Activities
0600	S. Sanchez arrives to job site and meets with Raimon w/ matrix, we go over Scope of work.
0630	air pumps are set up within all work areas and around clinical campus.
0900	BLDG B, H, P, J & D are now ready for a visual inspection & lead wipe clearance.
0920	Visual inspection passed and lead wipes are collected and sent to lab to be analyzed - Workers continue to work in BLDG H.
1100-1130	Workers break for lunch.
1130	Workers are now ready to began abatement on 9"x9" VFT in BLDG B. Workers suit up in full PPE and began working. PCM cassettes are set up around work area.
1300	No changes noted.
1530	Workers began to clean up in work areas. PCM cassettes collected and prepared to be analyzed.
1600	All readings are < action, containment is sealed off and workers offsite.
1615	S. Sanchez off site.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

ARCADIS
Infrastructure · Water · Environment · Buildings

ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: _____ Client: SMMUSD Date: 11/21/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kenwood Ave Santa Monica, CA

Specific Work Area Location: BLDG A, B, H, P, J & D -

Type/Quantity of Material to be Removed: _____

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / (No) If deficiency, describe corrective action: _____

AFUs functioning properly (Yes) / No If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: (Yes) / No Number of AFUs in Work Area: 5

Manometer Functioning Properly (Yes) / No If No, describe: _____

Other Deficiencies Noted N/A

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: Yes / No HEPA Vacuums Used: Yes / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: Yes / No Bags Double Bagged: Yes / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: Storage Bins

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: None

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: Yes / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / No If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift _____

Work Area Sealed and/or Secured at End of Shift: Yes / No / NA AFUs Remaining Operational: Yes / No / NA

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: Yes / No

Other Observations: _____

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

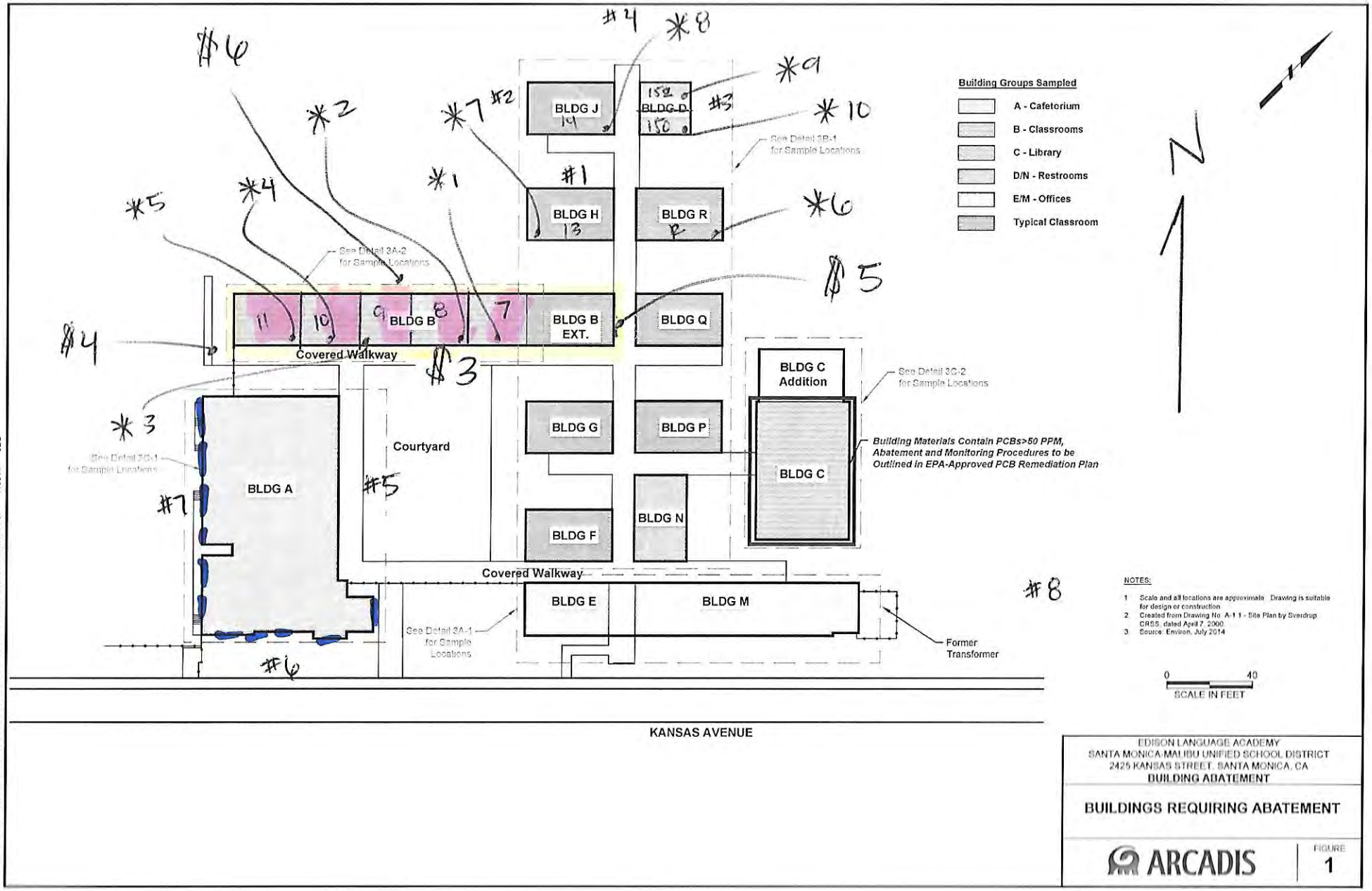
ARCADIS Checked by: _____

* Lead wipe Samples
# Lead Air Samples
Ⓐ PCM Air Samples

Containment

VFT removed

Windows / Sills removed



EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

BUILDINGS REQUIRING ABATEMENT

ARCADIS

FIGURE 1

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ABATEMENT MONITORING FINAL INSPECTION

Project Number:_____ Client:_____ Date: 11/21/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG A, B, H, K, J & D -

Type/Quantity of Material Removed:_____

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass _____ Fail If No, describe why:_____

Settled dust: ✓ Pass _____ Fail If No, describe why:_____

Work area dry: ✓ Pass _____ Fail If No, describe why:_____

Hand wipe: ✓ Pass _____ Fail If No, describe why:_____

Flashlight: ✓ Pass _____ Fail If No, describe why:_____

Corrective Actions Requested:_____

Work Area Final Visual Inspection: _____ Pass _____ Fail

SEALANT

Is sealant a different color from substrate? (Yes) / No If No, describe why:_____

Are all exposed surfaces coated? (Yes) / No If No, describe why:_____

FINAL CLEARANCE

Asbestos

Clearance criteria: AHERA State Specific:_____ SPECIFICATIONS

Describe protocol:_____

Clearance level: ≤0.01 f/cc ≤70 str/mm² 0.1 f/cc Other:_____

Aggressive: Yes / No Boxfans: Yes / No Number:_____ Leafblower: Yes / No

Number of samples inside containment:_____ Number of samples outside containment:_____

Lead

Clearance criteria: (EPA/HUD) State Specific: CA SPECIFICATIONS

Wipe sample location(s): See "COC"

Clearance level: Floors: ~~40µg/ft²~~ W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other:_____

Microbial

Sampling protocols: Spore traps: # and type N/A Surface swabs: # and type:_____

Culture plates: # and type:_____ Other:_____

Clearance criteria: (describe)_____

ARCADIS IH Representative: Aleen Garcia ARCADIS IH Rep Signature: Aleen Garcia

ARCADIS Checked by:_____

ARCADIS
Infrastructure · Water · Environment · Buildings

PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: _____ Client: SMMUSD Date: 11/21/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave. Santa Monica, CA

Specific Work Area Location: BLDG B, BLDG A, BLDG H, BLDG K, BLDG J & BLDG D

Type/Quantity of Material to be Removed: _____

WORK AREA ISOLATION:

Decontamination Chamber: ___ 1-Stage ___ 2-Stage ✓ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ✓ HVAC System ✓ Electricity ✓ Gas Other: _____

Pre-cleaning of surfaces: (Yes) / No / NA If No or NA, describe why: _____

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State: CA

Critical Barriers: (Yes) / No ✓ Doors/Windows ✓ Vents/HVAC ✓ Floor Drains Other: _____

Layers of Poly for Containment: 2 Walls Ø Floors 2 Ceilings N/A Unmovable Equipment

If no containment, describe isolation controls: _____

Negative Pressure Required: (Yes) / No Number of AFUs installed in work area: 5 Backup available: (Yes) / No

Calculation of Required # of AFUs: _____

Number of Air Changes per Hour: _____ Type of Manometer Used: _____

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities: _____

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: (Yes) / No Shower Drain Has Proper 5 µM Filter: (Yes) / No

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: portable sink

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No

NIOSH Approved Respirators: (Yes) / No If No, describe why: _____

Type of Respirators: Half face Dual Use Cartridges: Yes (No) If Yes, type: _____

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required: N/A

ARCADIS IH Representative: Kevin Gardner ARCADIS IH Rep Signature: Kevin Gardner

ARCADIS Checked by: _____

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Infrastructure · Water · Environment · Buildings

METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Hand held tools and Scrappers -

Describe work engineering control practices that will be used during the removal process:

Wet Method / airless mist -

Glovebags Used for Project: *Yes* / (*No*) G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

" SEE Separate Drawing "

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: N/A

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: ___

ARCADIS

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: CM011144.0031

CLIENT: JRMUSD **ARCADIS PERSONNEL:** Jillian Larchen

DATE: 11/24/14 **WORK LOCATION:** BLDG B & BLDG H

TIME	Observations / Activities
0600-0800	J. Larchen arrives to job site and meets w/ Ramon w/ matrix, we go over todays work areas and Scope of work. Ramon conducts a Safety meeting w/ hit crew. I began to set up my air pumps with in the work areas. Workers suit up in full PPE and enter into the containment and began working.
1000	No changes noted, workers continue to work in full PPE while air pumps continue to run.
1100-1130	Workers break for lunch.
1300	Workers continue to work within work areas inside containment.
1430	Workers began to clean up inside BLDG B and bag out.
1530	BLDG B containment is now ready for visual inspection. Visual inspection has passed in BLDG B. No debris noted in classrooms 7-11 inside the containment. PCM cassettes are collected and labeled for lab.
1630	J. Larchen off of job site.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

ARCADIS
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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: CM011144.0031 Client: SMMUSD Date: 11/24/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CH

Specific Work Area Location: BLDG 13 Classrooms 7-11 & BLDG A -

Type/Quantity of Material to be Removed: BLDG B Chalkboard/white board mastic & BLDG A 2E countertop sealant 25 lb

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / (No) If deficiency, describe corrective action: _____

AFUs functioning properly (Yes) / No If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: (Yes) / No Number of AFUs in Work Area: 5

Manometer Functioning Properly (Yes) / No If No, describe: _____

Other Deficiencies Noted None

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: Yes / No HEPA Vacuums Used: (Yes) / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: Yes / No Bags Double Bagged: (Yes) / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: Storage Bins -

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: None

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift 25

Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: Yes / (No) / NA

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

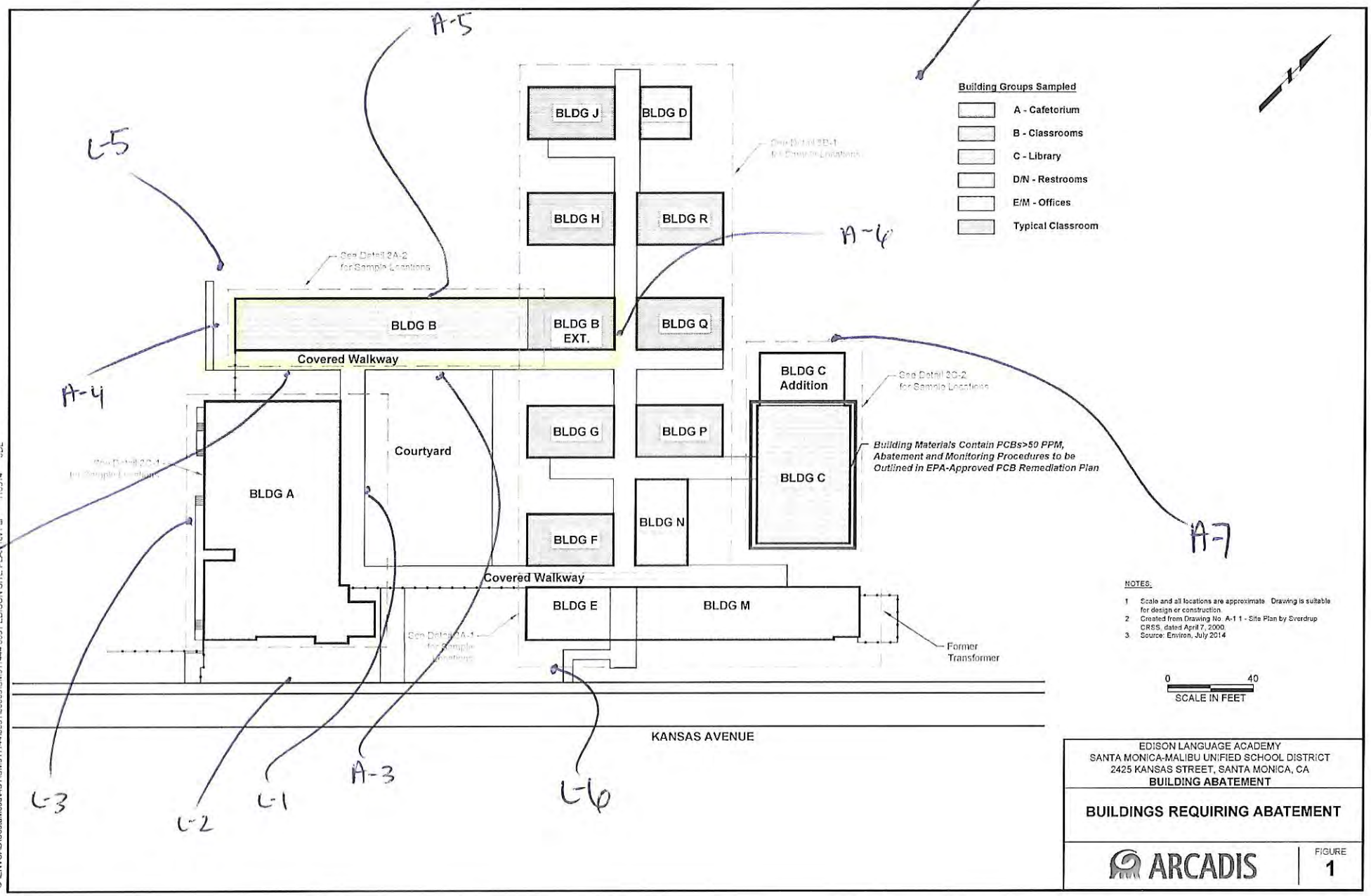
Other Observations: N/A

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: _____

Containment
A- Asbestos Samples. (Air)
L- Lead Samples (Air)

11/24/14



G:\ENVCAD\CostaMesa\ACTCM031144\0031\00005\CM031444.0031 EDISON SITE PLAN rev1.ai 110514 JDL

EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

BUILDINGS REQUIRING ABATEMENT

ARCADIS

FIGURE 1

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ABATEMENT MONITORING FINAL INSPECTION

Project Number: CM011144-0031 Client: SMMUSD Date: 11/24/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kimrac Ave Santa Monica, CA

Specific Work Area Location: BLDG B Classrooms 7-11 & BLDG H.

Type/Quantity of Material Removed: BLDG B Chalkboard / White board mastic & BLDG H (20 window sills 25 lf)

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass ____ Fail If No, describe why: ____

Settled dust: ✓ Pass ____ Fail If No, describe why: ____

Work area dry: ✓ Pass ____ Fail If No, describe why: ____

Hand wipe: ✓ Pass ____ Fail If No, describe why: ____

Flashlight: ✓ Pass ____ Fail If No, describe why: ____

Corrective Actions Requested: No

Work Area Final Visual Inspection: ✓ **Pass** ____ **Fail**

SEALANT

Is sealant a different color from substrate? (Yes) / No If No, describe why: ____

Are all exposed surfaces coated? (Yes) / No If No, describe why: ____

FINAL CLEARANCE

Asbestos

Clearance criteria: (AHERA) State Specific: CA SPECIFICATIONS

Describe protocol: PCM (Samples Sent to lab).

Clearance level: (≤0.01 f/cc) ≤70 str/mm² 0.1 f/cc Other: ____

Aggressive: Yes / (No) Boxfans: Yes / (No) Number: ____ Leafblower: Yes / (No)

Number of samples inside containment: N/A Number of samples outside containment: 6

Lead

Clearance criteria: EPA/HUD State Specific: ____ SPECIFICATIONS

Wipe sample location(s): ____

Clearance level: Floors: 40µg/ft² W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other: ____

Microbial

Sampling protocols: Spore traps: # and type ____ Surface swabs: # and type: ____

Culture plates: # and type: ____ Other: ____

Clearance criteria: (describe) ____

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: ____

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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CM011144-0031 Client: SMMUSD Date: 11/24/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG B Classrooms 7-11 & BLDG A -

Type/Quantity of Material to be Removed: BLDG B chalkboard/white board mastic & BLDG A 300 lf 20 windows/sill

WORK AREA ISOLATION:

Decontamination Chamber: ___ 1-Stage ___ 2-Stage ✓ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ✓ HVAC System ✓ Electricity ✓ Gas Other: Water

Pre-cleaning of surfaces: (Yes) / No / NA If No or NA, describe why: ___

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State: CA

Critical Barriers: (Yes) / No ✓ Doors/Windows ✓ Vents/HVAC ✓ Floor Drains Other: ___

Layers of Poly for Containment: 2 Walls 1 Floors 2 Ceilings Ø Unmovable Equipment

If no containment, describe isolation controls: ___

Negative Pressure Required: (Yes) / No Number of AFUs installed in work area: 5 Backup available: (Yes) / No

Calculation of Required # of AFUs: 97 X 17 X 10 = 16,490 / 2,000 = 8.245 / 60 = 7.277

Number of Air Changes per Hour: 7 Type of Manometer Used: N/A

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities: ___

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: (Yes) / No Shower Drain Has Proper 5 µM Filter: (Yes) / No

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: Wash vass w/ Hygiene wipes -

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No

NIOSH Approved Respirators: (Yes) / No If No, describe why: ___

Type of Respirators: Half face Dual Use Cartridges: Yes / (No) If Yes, type: ___

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required: Hard Hats, Safety Vest and Safety glasses - Gloves -

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: ___

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METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Hand held tools & Scrappers -

Describe work engineering control practices that will be used during the removal process:

Wet methods -

Glovebags Used for Project: *Yes* / (*No*) G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

" See Seperate drawing "

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: None

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: _____

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: CM011144.0031

CLIENT: SAMUSD **ARCADIS PERSONNEL:** J. Sanchez / E. Sulyma

DATE: 11/25/14 **WORK LOCATION:** BLDG B & BLDG H&K's

TIME	Observations / Activities
0600-	J. Sanchez & E. Sulyma Show up to job site and
0730	meet w/ James w/ Matrix to go over Scope of work
	for the day - We began to set up pumps inside
	work areas and around primeters of School campus -
0900-	Jeff Johnson Shows up to job site the check on
1000	work areas. At 0922 Jeff Sets up Weather Station
	in NE end of the School campus - Workers continue to
	work - BLDG B containment is now ready for final air
	clearance. Air pumps are set up inside containment via
	PCM CASSETTES.
1115	PCM CASSETTES are collected and labeled for lab analysis -
	Workers continue to work in side BLDG H&K containment -
1300-1400	Workers continue to work. no changes noted -
1600	Workers began to clean up work areas.
1630-	Work areas now secured and sealed off.
1700	S. Sanchez off job site.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: CA001144.0031 Client: SMMUSD Date: 11/25/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kinsella Ave Santa Monica, CA

Specific Work Area Location: BLDG B Classrooms 7-11 & BLDG H & R & J -

Type/Quantity of Material to be Removed: 2,950± gal/sq ft Brown VFT & 18 windows / sills -

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / (No) If deficiency, describe corrective action: _____

AFUs functioning properly (Yes) / No If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: (Yes) / No Number of AFUs in Work Area: 7

Manometer Functioning Properly (Yes) / No If No, describe: _____

Other Deficiencies Noted None

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: Yes / No HEPA Vacuums Used: (Yes) / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: (Yes) / No Bags Double Bagged: (Yes) / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: Storage Bins

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: None

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift 50

Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: Yes / No / (NA)

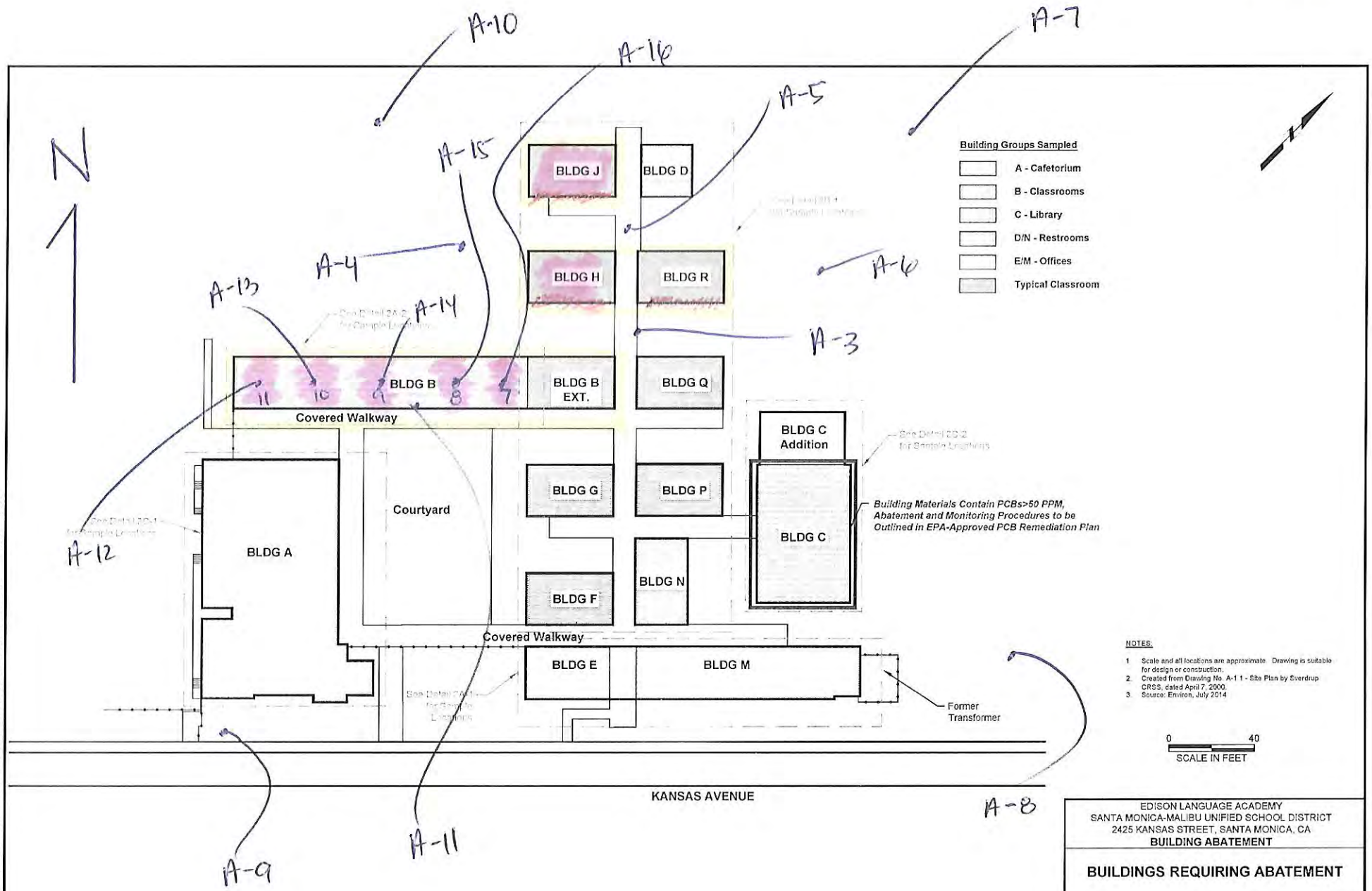
Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

Other Observations: None

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: _____

11/25/14



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EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

BUILDINGS REQUIRING ABATEMENT

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FIGURE 1

A- Asbestos Air Samples
Containment
VFT 9"x9" removed
WINDOWS / Sills removed -

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ABATEMENT MONITORING FINAL INSPECTION

Project Number: CM01144.0031 Client: SMMUSD Date: 11/25/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG B CLASSROOMS 7-11 & BLDG H & K S.I. -

Type/Quantity of Material Removed: 2,950 lf 9"x9" Brown VFT/ 18 windows /sill -

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass ____ Fail If No, describe why: ____

Settled dust: ✓ Pass ____ Fail If No, describe why: ____

Work area dry: ✓ Pass ____ Fail If No, describe why: ____

Hand wipe: ✓ Pass ____ Fail If No, describe why: ____

Flashlight: ✓ Pass ____ Fail If No, describe why: ____

Corrective Actions Requested: NONE

Work Area Final Visual Inspection: ✓ **Pass** ____ **Fail**

SEALANT

Is sealant a different color from substrate? (Yes) / No If No, describe why: ____

Are all exposed surfaces coated? (Yes) / No If No, describe why: ____

FINAL CLEARANCE

Asbestos

Clearance criteria: (AHERA) State Specific: CA SPECIFICATIONS

Describe protocol: PCM (Samples to Sent to lab)

Clearance level: ≤0.01 f/cc ≤70 str/mm² 0.1 f/cc Other: ____

Aggressive: Yes / (No) Boxfans: Yes / (No) Number: ____ Leafblower: Yes / (No)

Number of samples inside containment: 6 Number of samples outside containment: Ø

Lead

~~Clearance criteria: EPA/HUD State Specific: SPECIFICATIONS~~

~~Wipe sample location(s):~~

~~Clearance level: Floors: 40µg/ft² W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other:~~

Microbial

~~Sampling protocols: Spore traps: # and type Surface swabs: # and type:~~

~~Culture plates: # and type: Other:~~

~~Clearance criteria: (describe)~~

ARCADIS IH Representative: Shawn Sanchez ARCADIS IH Rep Signature: Shawn Sanchez

ARCADIS Checked by: ____

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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CM011144.0031 Client: SMMUSD Date: 11/25/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kenwood Ave Santa Monica, CA

Specific Work Area Location: BLDG B CLASSROOMS 7-11 & BLDG H & R - & J -

Type/Quantity of Material to be Removed: 2,950± 9"x9" Brown VFT & 18 windows/Sills -

WORK AREA ISOLATION:

Decontamination Chamber: ___ 1-Stage ___ 2-Stage ✓ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ✓ HVAC System ✓ Electricity ✓ Gas Other: water

Pre-cleaning of surfaces: (Yes) / No / NA If No or NA, describe why: ___

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State: CA

Critical Barriers: (Yes) / No ✓ Doors/Windows ✓ Vents/HVAC ___ Floor Drains Other: ___

Layers of Poly for Containment: 2 Walls Ø Floors 2 Ceilings N/A Unmovable Equipment

If no containment, describe isolation controls: ___

Negative Pressure Required: (Yes) / No Number of AFUs installed in work area: 7 Backup available: (Yes) / No

Calculation of Required # of AFUs: (13) 97x17x10 = 16,490 ÷ 2,000 = 8.245 ÷ 60 = 7.277, (H,R & J) 16x27x10 = 4320 ÷ 2,000 = 2.16 ÷ 60 = 27.777

Number of Air Changes per Hour: 7, 25, 25 & 25 Type of Manometer Used: ___

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities: ___

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: (Yes) / No Shower Drain Has Proper 5 µM Filter: (Yes) / No

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: Hand rags & wash Stations -

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No

NIOSH Approved Respirators: (Yes) / No If No, describe why: ___

Type of Respirators: Half Face Dual Use Cartridges: Yes / (No) If Yes, type: ___

Type of Coveralls: ~~Disposable~~ or *Launderable* Head Covering and foot/shoe coverlets: ~~Yes~~ / No

Other Types of PPE Required: Hard Hats, Safety Vest, Safety Glasses & Gloves -

ARCADIS IH Representative: Helen Sandvik ARCADIS IH Rep Signature: Helen Sandvik

ARCADIS Checked by: ___

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METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Hand held tools, Scrappers & fiber lock #BC encapsulation

Describe work engineering control practices that will be used during the removal process:

Wet methods and light mist

Glovebags Used for Project: *Yes* / (*No*) G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

" See Seperate Drawings "

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: None

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: _____

ARCADIS

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: CM011144.0031

CLIENT: SMMUSD **ARCADIS PERSONNEL:** Steven Sanchez

DATE: 11/26/14 **WORK LOCATION:** BLDG H, R, J, F & Q

TIME	Observations / Activities
0600 - 0700	S. Sanchez arrives at job site and goes over scope of work for the day with Ramon w/ Matrix. I set up my air pumps and weather station around the work areas and fence lines - Workers suit up in full PPE and began working.
1000	Workers continue to work, no changes noted.
1100 - 1130	Workers break for lunch.
1300	Workers continue to work inside the containments in full PPE w/ respirators on while air pumps continue to run within work areas and fence lines.
1500	No changes noted.
1600	Workers began to clean up in work areas.
1700	S. Sanchez off job site.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

ARCADIS
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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: CM01144.0031 Client: SMMUSD Date: 11/24/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG H, R, T, F & Q

Type/Quantity of Material to be Removed: 1,680 ft² 9"x9" Brown VFT & 24 window / sills

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / (No) If deficiency, describe corrective action: _____

AFUs functioning properly (Yes) / No If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: (Yes) / No Number of AFUs in Work Area: 5

Manometer Functioning Properly (Yes) / No If No, describe: _____

Other Deficiencies Noted None

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: Yes / No HEPA Vacuums Used: Yes / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: Yes / No Bags Double Bagged: Yes / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: _____

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: None

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift 45

Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: Yes / No / (NA)

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

Other Observations: None

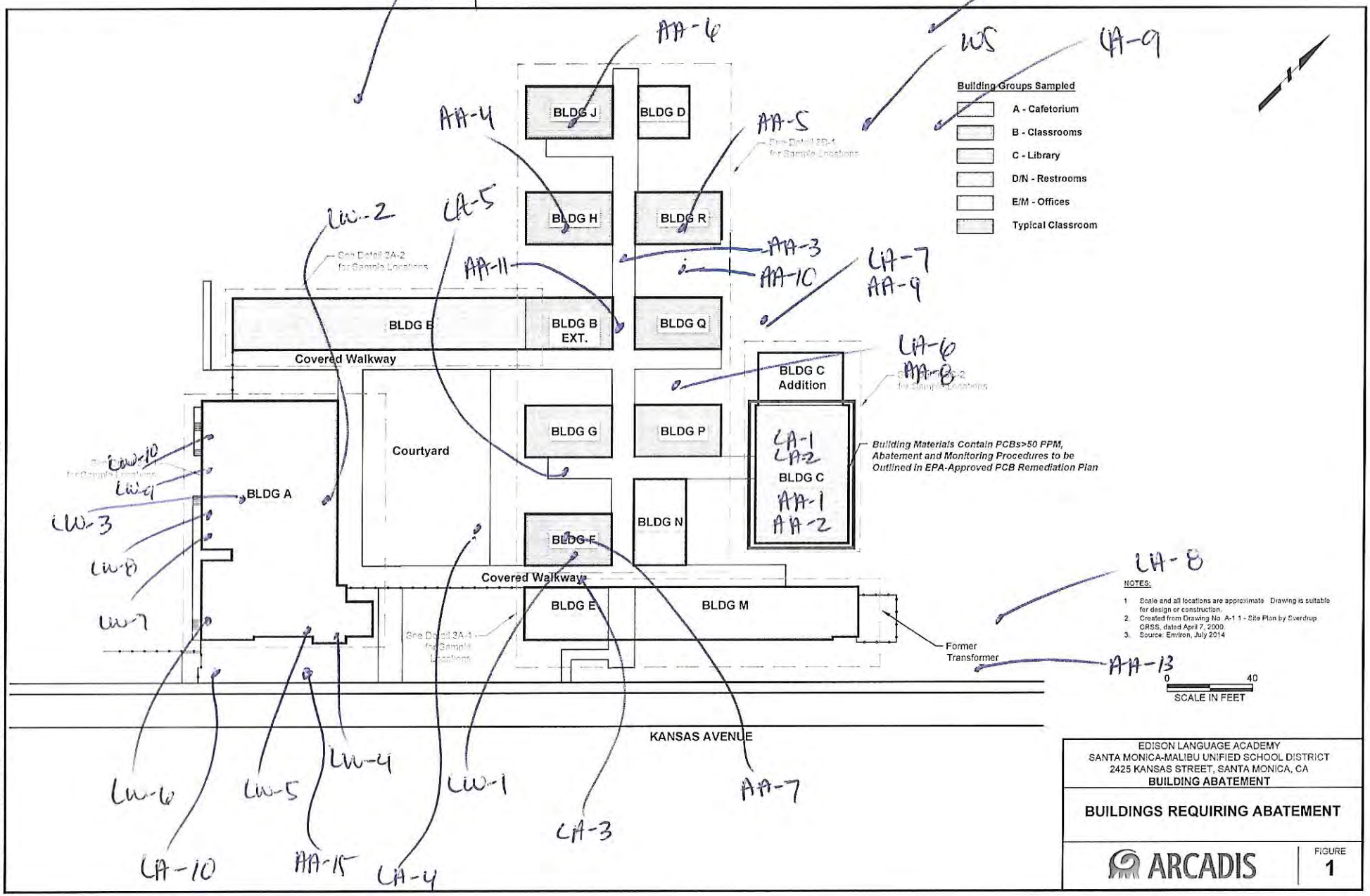
ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: _____

LW = Lead Wipes
LA- Lead Air
WS- Weather Station

AA- Asbestos Air (PCM)

11/26/14



EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

BUILDINGS REQUIRING ABATEMENT

ARCADIS

FIGURE 1

G:\ENVCAD\CostaMesa\ACTCM011444\0310005\CM011444 0031 EDISON SITE PLAN rev1.ai 110514 JDL

ARCADIS
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ABATEMENT MONITORING FINAL INSPECTION

Project Number: CM011144.0031 Client: SMMUSD Date: 11/26/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDGS H, R, J, F & Q

Type/Quantity of Material Removed: 1,650 ft² 9"x9" Brown VFT & 24 windows / sills

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass ____ Fail If No, describe why: ____

Settled dust: ✓ Pass ____ Fail If No, describe why: ____

Work area dry: ✓ Pass ____ Fail If No, describe why: ____

Hand wipe: ✓ Pass ____ Fail If No, describe why: ____

Flashlight: ✓ Pass ____ Fail If No, describe why: ____

Corrective Actions Requested: None

Work Area Final Visual Inspection: ✓ **Pass** ____ **Fail**

SEALANT

Is sealant a different color from substrate? (Yes) / No If No, describe why: ____

Are all exposed surfaces coated? (Yes) / No If No, describe why: ____

FINAL CLEARANCE

Asbestos

Clearance criteria: (AHERA) State Specific: CA SPECIFICATIONS

Describe protocol: PCM

Clearance level: (<0.01 f/cc) ≤70 str/mm² 0.1 f/cc Other: ____

Aggressive: Yes / (No) Boxfans: Yes / (No) Number: ____ Leafblower: Yes / (No)

Number of samples inside containment: 5 Number of samples outside containment: Ø

Lead

Clearance criteria: EPA/HUD State Specific: CA SPECIFICATIONS

Wipe sample location(s): SEE "COC"

Clearance level: Floors: ~~40 µg/ft²~~ W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other: ____

Microbial

Sampling protocols: ~~Spore traps: # and type~~ ____ Surface swabs: # and type: ____

Culture plates: # and type: ____ Other: ____

Clearance criteria: ~~(describe)~~ ____

ARCADIS IH Representative: ____ ARCADIS IH Rep Signature: ____

ARCADIS Checked by: ____

ARCADIS
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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CA011144.0031 Client: SMMUSD Date: 11/26/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG. H, R, J, F & Q -

Type/Quantity of Material to be Removed: 1,680 ± 9"x9" (Brown) VFT & 24 windows / Silk -

WORK AREA ISOLATION:

Decontamination Chamber: ___ 1-Stage ___ 2-Stage ✓ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ✓ HVAC System ✓ Electricity ✓ Gas Other: water

Pre-cleaning of surfaces: (Yes) / No / NA If No or NA, describe why:

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State: CA

Critical Barriers: (Yes) / No ___ Doors/Windows ✓ Vents/HVAC ___ Floor Drains Other:

Layers of Poly for Containment: 2 Walls 1 Floors 2 Ceilings Ø Unmovable Equipment

If no containment, describe isolation controls:

Negative Pressure Required: (Yes) / No Number of AFUs installed in work area: 5 Backup available: (Yes) / No

Calculation of Required # of AFUs: H,R,J & Q 16x21x10=4320 ÷2,000=2.16 ÷60= 27.777 (F) 23x17x10x2,000 = 1.955 ÷60 = 30.

Number of Air Changes per Hour: 28 & 30. Type of Manometer Used: N/A

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities:

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: (Yes) / No Shower Drain Has Proper 5 µM Filter: (Yes) / No

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: Wash rags & wipes -

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No

NIOSH Approved Respirators: (Yes) / No If No, describe why:

Type of Respirators: Half face Dual Use Cartridges: Yes / (No) If Yes, type:

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required: Safety vest, Hard Hats, gloves, & Safety glasses -

ARCADIS IH Representative: Steven Garcia ARCADIS IH Rep Signature: Steven Garcia

ARCADIS Checked by:

ARCADIS
Infrastructure · Water · Environment · Buildings

METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Hand held tools, Scrappers & fiber lock A3C encap -

Describe work engineering control practices that will be used during the removal process:

Wet methods -

Glovebags Used for Project: *Yes* / *No* G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

" See Seperate drawing"

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: None

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature:

ARCADIS Checked by:

Building "P" 1st Lead interior Abat.
2nd Asb. Abat. - Chalk board mastic, VAT & black mastic
3rd Visual & Incap

Building "G" 1st
Lead interior Abat.
2nd Asb. Abat. chalk board mastic, VAT & black mastic
3rd Visual & Incap

Bldg "N" 1st fire door removal (ACM) fire rated
2nd Lead, Exterior, Abat - facia
windows, cast iron - Finished

Bldg E & M 1st - 18 each fire door removed (ACM)
2nd Removal of ext. facia blue
Metal flag pole
window sill blue

11/28/14

Notes from Raman
Summary of daily activities
of Edison Abatement
0800 - 1500

ARCADIS

Infrastructure · Water · Environment · Buildings

RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: C1401144.0031

CLIENT: CMMUSD **ARCADIS PERSONNEL:**

DATE: 11/20/14 **WORK LOCATION:** Bldg N, Bldg P, Bldg Q Bldg G

TIME	Observations / Activities
0730	At site. Go over abatement plan for day with Matrix
0815	Matrix begins abatement in Building P. Clear out rooms and prep for abatement in Buildings N and G. Work on roofs to remove LBP
0830	Call Panacea. Msg in able to come to site in about an hour.
0930	Msg from Panacea Env. on-site Jeff Johnson on-site. Set up air sampling pumps (building perimeter + fenceline).
1000	Informed Matrix to improve dust suppression.
1100	P Skerce off-Site to go to Fed Ex to pick up Tisch samplers
1130	Final visual at Bldg P Minor debris. Directed were HEPA vac prior to encapsulation. Follow-up visual passed.
1140	Pre-abatement visual in Building G. Directed water connection to prime surfaces
1200	LUNCH BREAK Personnel back to site.
1300	Abatement at Building G. Remove lead-containing fascia + windows from Bldg N + P
1400	Noticed several issues with abatement process – (1) Negative air system at Bldg P not working + exhaust debris not at correct height (2) Negative air at Building G not working (3) Plastic sheeting next to Bldg N in disarray. Foam materials on floor down + in contact with soil (4) Materials adjacent to Building N + next to fence line are thrown down + creating dust (5) Decontamination wash water filter not labeled as to not use water used for decon wash (7) Low-volume sampling pumps not anchored using Non-Skid Roman with Matrix: Fixed tubing on pumps
1500	→ Stop work. Begin cleanup / demob.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

ARCADIS
Infrastructure · Water · Environment · Buildings

PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: _____ Client: SMMUSD Date: 11/24/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave, SM

Specific Work Area Location: B Bldg G

Type/Quantity of Material to be Removed: _____

WORK AREA ISOLATION:

Decontamination Chamber: ___ 1-Stage ___ 2-Stage ✓ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ✓ HVAC System ✓ Electricity ✓ Gas Other: _____

Pre-cleaning of surfaces: Yes / No / (NA) If No or NA, describe why: _____

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State: CA

Critical Barriers: (Yes) / No ✓ Doors/Windows ✓ Vents/HVAC ✓ Floor Drains Other: _____

Layers of Poly for Containment: 2 Walls Ø Floors 2 Ceilings N/A Unmovable Equipment

If no containment, describe isolation controls: _____

Negative Pressure Required: (Yes) / No Number of AFUs installed in work area: 2 Backup available: Yes / (No)

Calculation of Required # of AFUs: _____

Number of Air Changes per Hour: _____ Type of Manometer Used: _____

HYGIENE FACILITIES

Shower Functional: Yes / (No) / NA If No or NA, describe hygiene facilities: Supervisor instructed to connect water to shower before start removal

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: Yes / No

Shower Has Separate Hot and Cold Water: Yes / (No) Shower Drain Has Proper 5 µM Filter: Yes / (No)

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: Supervisor instructed to connect hot water heater and filter before start removal

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No Reviewed previously by Jeff.

NIOSH Approved Respirators: (Yes) / No If No, describe why: _____

Type of Respirators: Half face Dual Use Cartridges: Yes / (No) If Yes, type: _____

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required: N/A

ARCADIS IH Representative: Hsin chou ARCADIS IH Rep Signature: [signature]

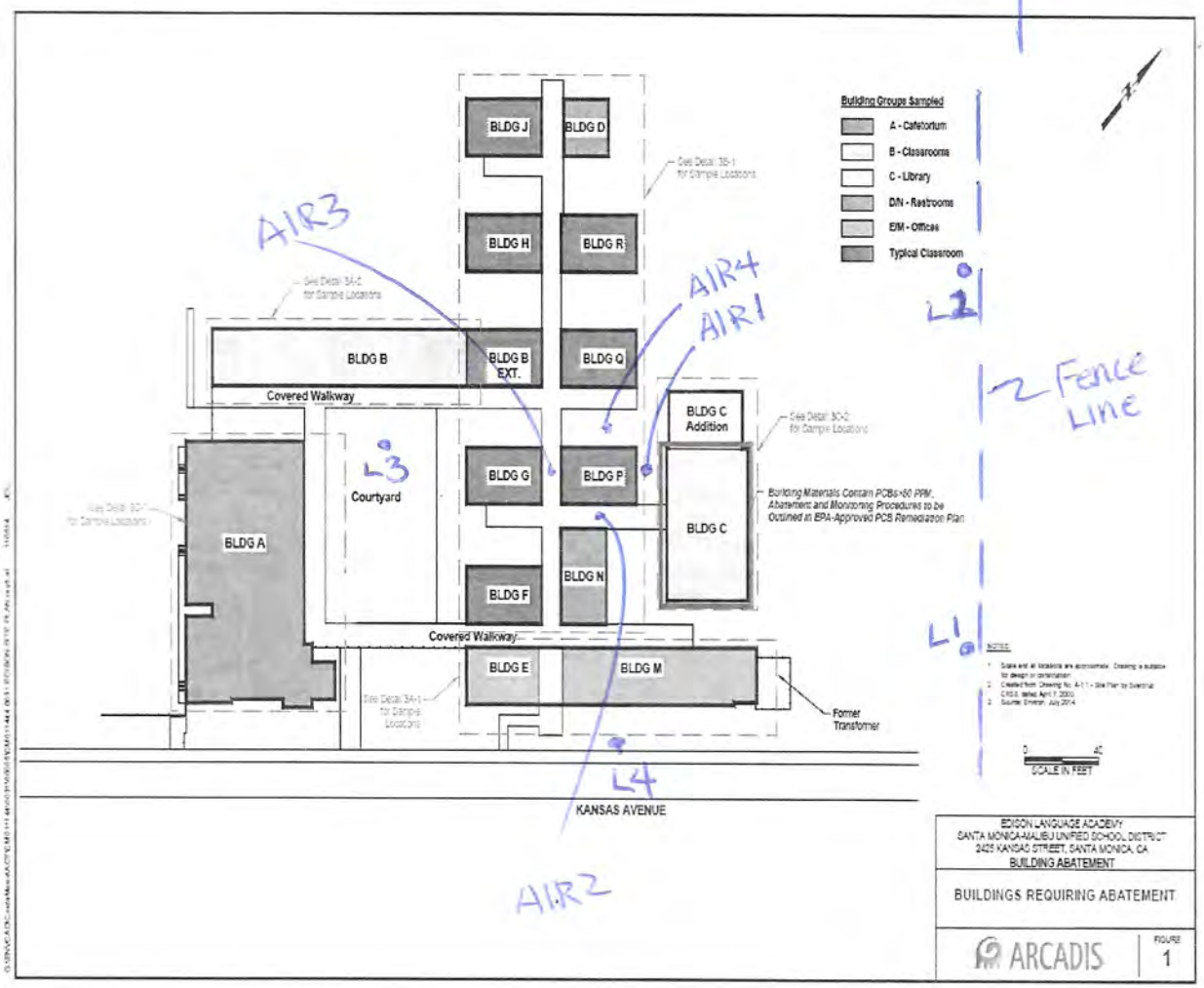
ARCADIS Checked by: _____

Hsin Chou 11/29/14

Sample Locations

Prefix = ELA- AIR # - 112914
ELA- L# - 112914

Site Figures



ARCADIS
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ABATEMENT MONITORING FINAL INSPECTION

Project Number:_____ Client: SMMUSD Date: 11/29/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave., SM

Specific Work Area Location: Bldg P & G

Type/Quantity of Material Removed: Floor tile, floor mastic & wall mastic

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass _____ Fail If No, describe why: See note below

Settled dust: ✓ Pass _____ Fail If No, describe why:_____

Work area dry: ✓ Pass _____ Fail If No, describe why:_____

Hand wipe: ✓ Pass _____ Fail If No, describe why:_____

Flashlight: ✓ Pass _____ Fail If No, describe why:_____

Corrective Actions Requested: Minor debris observed at edges. Instructed foreman to do another HEPA-vac before encapsulation.

↑ 11/29/14 **Work Area Final Visual Inspection:** ✓ Pass _____ Fail

SEALANT

Is sealant a different color from substrate? Yes / No If No, describe why:_____

Are all exposed surfaces coated? Yes / No **If No, describe why:**_____

FINAL CLEARANCE

Asbestos

Clearance criteria: AHERA State Specific:_____ SPECIFICATIONS

Describe protocol:_____

Clearance level: ≤0.01 f/cc ≤70 str/mm² 0.1 f/cc Other:_____

Aggressive: Yes / No **Boxfans:** Yes / No **Number:**_____ **Leafblower:** Yes / No

Number of samples inside containment:_____ **Number of samples outside containment:**_____

Lead

Clearance criteria: EPA/HUD State Specific:_____ SPECIFICATIONS

Wipe sample location(s):_____

Clearance level: Floors: 40µg/ft² **W. Sills:** 250 µg/ft² **W. Troughs:** 400 µg/ft² Other:_____

Microbial

Sampling protocols: Spore traps: # and type_____ Surface swabs: # and type:_____

Culture plates: # and type:_____ Other:_____

Clearance criteria: (describe)_____

ARCADIS IH Representative:_____ **ARCADIS IH Rep Signature:**_____

ARCADIS Checked by:_____

ARCADIS

Infrastructure · Water · Environment · Buildings

RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: CA011144-0031

CLIENT: SAUSD **ARCADIS PERSONNEL:** Steven Sanchez

DATE: 12/1/14 **WORK LOCATION:** BLDG G & P.

TIME	Observations / Activities
0600-	S. Sanchez arrives to job site and meets w/ Ramon
0700	w/ matrix. We go over scope of work for the day.
	Ramon conducts a safety meeting w/ his crew. Air pumps
	are set up around BLDG G & P and fence lines of
	School campus. Workers suit up in full PPE and began working
0930	No changes noted, Workers continue to work.
1100	Workers break for lunch.
1130	Workers are back from lunch and began removing
	Walk way / canopy within the School campus. Jeff
	arrives to job site.
1230	Jeff off job site., I set up my air pump inside
	the containments for BLDG's G, P & Q for final air clearance.
1400	PCM cassettes collected and labeled for lab to
	analyze.
1500	No changes noted.
1600	Workers began to clean up work areas.
1630-	S. Sanchez off job site.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

ARCADIS
Infrastructure · Water · Environment · Buildings

ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: CA001144.0031 Client: SMMUSD Date: 12/1/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG G & P -

Type/Quantity of Material to be Removed: Exterior Fascia & Window Sills -

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / (No) If deficiency, describe corrective action: _____

AFUs functioning properly Yes / No If No, describe: N/A (Exterior lead abatement) -

Appropriate Number of AFUs Functioning in Work Area: Yes / No Number of AFUs in Work Area: N/A

Manometer Functioning Properly Yes / No If No, describe: N/A

Other Deficiencies Noted _____

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: Yes / No HEPA Vacuums Used: (Yes) / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: (Yes) / No Bags Double Bagged: (Yes) / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: Storage Bins -

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: _____

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift 50

Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: Yes / No / (NA)

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

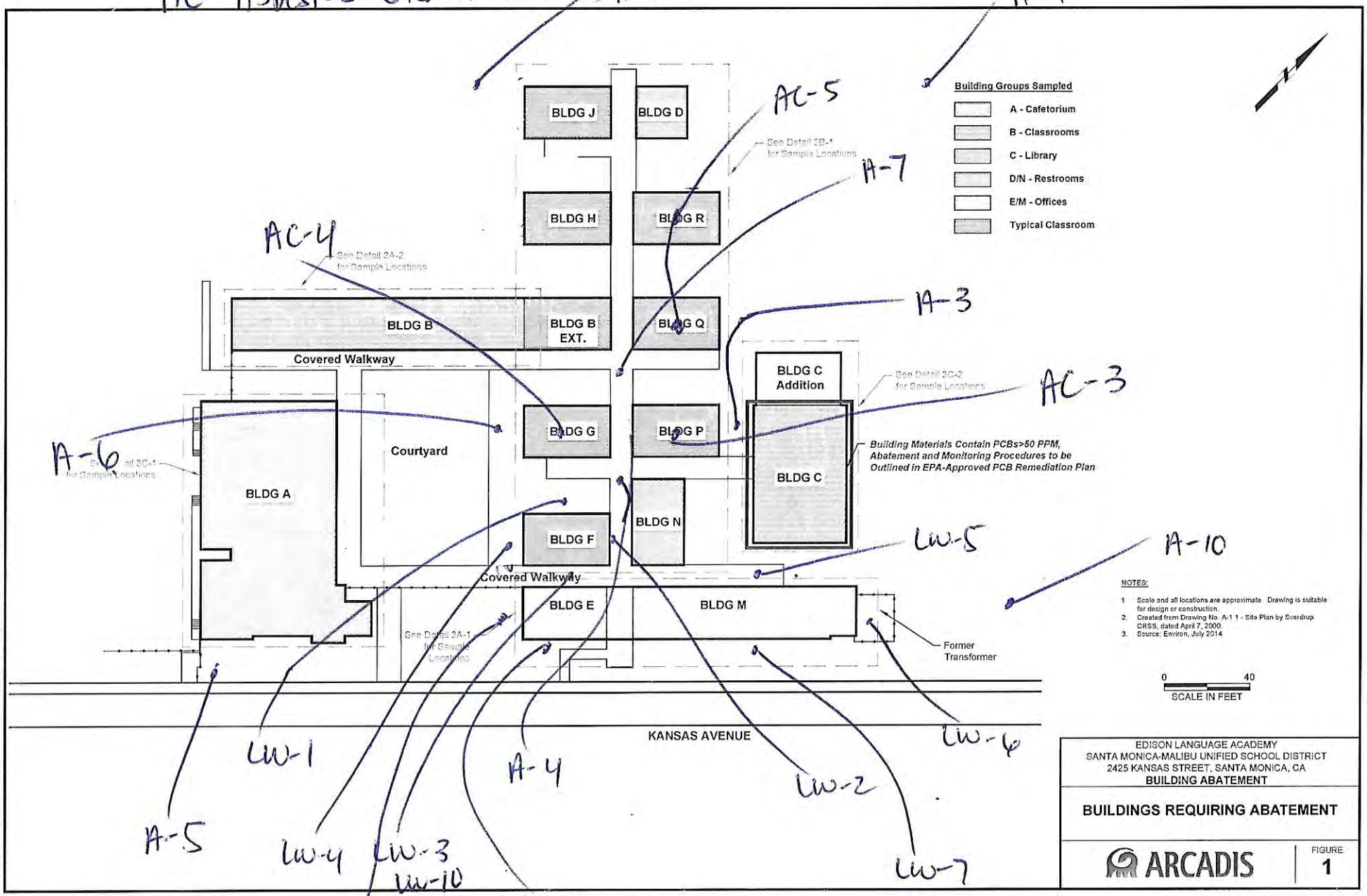
Other Observations: None

ARCADIS IH Representative: Shawn Sanchez ARCADIS IH Rep Signature: Shawn Sanchez

ARCADIS Checked by: _____

A- Lead Air Samples
LW- Lead wipes
AC- Asbestos clearance (Air)

12/1/14
CMC111444.0031



EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

BUILDINGS REQUIRING ABATEMENT

ARCADIS

FIGURE 1

G:\ENVCAD\CostaMesa\ACTCM\111444\0031\00005\CM111444 0031 EDISON SITE PLAN rev1.ai 110514 JDL

ARCADIS
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ABATEMENT MONITORING FINAL INSPECTION

Project Number: CMC11144.0031 Client: SMMUSD Date: 12/1/14

Building/Location Name: BLDG G & P / ELA Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG G & P

Type/Quantity of Material Removed: Exterior Fascia & Windows / Sills.

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass _____ Fail If No, describe why: _____

Settled dust: _____ Pass _____ Fail If No, describe why: _____

Work area dry: _____ Pass _____ Fail If No, describe why: _____

Hand wipe: _____ Pass _____ Fail If No, describe why: _____

Flashlight: _____ Pass _____ Fail If No, describe why: _____

Corrective Actions Requested: _____

Work Area Final Visual Inspection: _____ Pass _____ Fail

SEALANT

Is sealant a different color from substrate? Yes / No If No, describe why: _____

Are all exposed surfaces coated? Yes / No If No, describe why: _____

FINAL CLEARANCE

Asbestos

Clearance criteria: AHERA State Specific: _____ SPECIFICATIONS

Describe protocol: _____

Clearance level: ≤0.01 f/cc ≤70 str/mm² 0.1 f/cc Other: _____

Aggressive: Yes / No Boxfans: Yes / No Number: _____ Leafblower: Yes / No

Number of samples inside containment: _____ Number of samples outside containment: _____

Lead

Clearance criteria: EPA/HUD State Specific: CA SPECIFICATIONS

Wipe sample location(s): See COC

Clearance level: Floors: 40µg/ft² W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other: _____

Microbial

Sampling protocols: Spore traps: # and type _____ Surface swabs: # and type: _____

Culture plates: # and type: _____ Other: _____

Clearance criteria: (describe) _____

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: _____

ARCADIS
Infrastructure · Water · Environment · Buildings

PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CM011144.0031 Client: SMMUSD Date: 12/1/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG G & P

Type/Quantity of Material to be Removed: Exterior Fascia & Windows / Sills.

WORK AREA ISOLATION:

Decontamination Chamber: ___ 1-Stage ___ 2-Stage ___ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ___ HVAC System ___ Electricity ___ Gas Other: N/A

Pre-cleaning of surfaces: (Yes) / No / NA If No or NA, describe why: ___

Barrier Tape Used to Designate Work Area (Yes) / No OSHA and State Signage: (Yes) / No State: CA

Critical Barriers: (Yes) / No ___ Doors/Windows ___ Vents/HVAC ___ Floor Drains Other: ___

Layers of Poly for Containment: ___ Walls 2 Floors ___ Ceilings ___ Unmovable Equipment

If no containment, describe isolation controls: ___

Negative Pressure Required: Yes / (No) Number of AFUs installed in work area: N/A Backup available: Yes / No

Calculation of Required # of AFUs: N/A

Number of Air Changes per Hour: ___ Type of Manometer Used: ___

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities: ___

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: (Yes) / No Shower Drain Has Proper 5 µM Filter: (Yes) / No

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: ___

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No

NIOSH Approved Respirators: (Yes) / No If No, describe why: ___

Type of Respirators: Half Face Dual Use Cartridges: Yes / (No) If Yes, type: ___

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required: Hard Hats, Safety Vest, Safety glasses and gloves.

ARCADIS IH Representative: Shawn Sanchez ARCADIS IH Rep Signature: Shawn Sanchez

ARCADIS Checked by: ___

ARCADIS
Infrastructure · Water · Environment · Buildings

METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Hand held tools.

Describe work engineering control practices that will be used during the removal process:

Wet methods

Glovebags Used for Project: *Yes* / (*No*) G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

" See Seperate drawings "

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: None

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by:

Daily Field Report

ARCADIS
Infrastructure, environment, facilities

Project Number: CA011144.0031.
Project Name: EDISON ACADEMY
Project Location: SANTA MONICA CA
Site Conditions/Weather: LT RAIN
Job Description: HELP SET UP PCB SAMPLERS / MONITORING

Page 1 **of** 2
Date: 12-2-14
Day: M (T) W Th F S S
ARCADIS Staff: BTW / SS

WORK FORCE SAM LUXWOOD 609-371-9663

Company Name	Staff Name	Onsite From	Onsite To	Comments

EQUIPMENT

Owner	Item	Comments

VISITORS	Comments

Time	Activities
0545	ARRIVE ON SITE. MATRIX LABOR ARRIVING ON SITE
0615	ATTEND MATRIX TAILGATE
0645	BEGIN FIGURE OUT PCB SAMPLERS W/ STEVE
0815	STEVE TALK W/ ALS SAMPLER TO RUN @ 280 LPM MAX
0820	CONTACT PINÉ AS PER ALS REGARDING CALIBRATION
0830	WALK JOB, OBSERVE NO WATER RUNNING OFF SITE STOCK PILED SOIL COVERED & SAND BAGED
1000	SPOKE w/ DAVID OF SWINGERTON & HAS LAID VISQUEEN IN PARKING LOT ON NORTH SIDE (MONITORING SWPPP)
1015	MATRIX SHUT DOWN for lunch -
1045	Matrix back from lunch - →

continue on reverse as needed

Reviewed by: _____ **Signed:** _____ **Date:** _____

Daily Field Report, continued

Time	Activities
1200	Matrix Shute down for the day Due to heavy rain fall. S. Sanchez off Job Site

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: CMOM44.0031

CLIENT: SAMUSD **ARCADIS PERSONNEL:** Steven Sanchez

DATE: 12/22/14 **WORK LOCATION:** BLDG C windows (PCB)

TIME	Observations / Activities
0700	S. Sanchez arrives to job site and goes over scope of work for the
	day Ramon w/ Matrix - I conduct a tailgate meeting w/ matrix -
	PUF Samplers are delivered to job site via Pine environmental -
	Matrix begans to prep BLDG C for PCB removal -
0800	PUF Samplers are calibrated and are ready for air Sampler - I'm
	Still waiting for Sample media to be delivered via ALS labs -
	Matrix continues to prep BLDG C -
0900	Jeff arrives to job site w/ 2 certified PCB Sampling media -
	Scope of work discussed w/ Jeff and Ramon - Matrix
	continues to prep BLDG C. Matrix also continues to remove
	asphalt with in School campus.
1100	ALS labs drops off more PCB media. Matrix continues to prep
	BLDG C. Using 6 Mil poly plastic for all 3 full containments.
	Asphalt removal continues as well.
1200-1300	Matrix breaks for lunch -
1330	Matrix continues to prep BLDG C -
1400	Jeff off site -
1430	S. Sanchez off site

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: CM011194.0031 Client: SMMUSD Date: 12/22/14

Building/Location Name: ELA Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG C (caulking) PCB windows

Type/Quantity of Material to be Removed: 12 windows

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / (No) If deficiency, describe corrective action: _____

AFUs functioning properly (Yes) / No If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: (Yes) / No Number of AFUs in Work Area: _____

Manometer Functioning Properly (Yes) / No If No, describe: _____

Other Deficiencies Noted _____

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: (Yes) / No HEPA Vacuums Used: (Yes) / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: (Yes) / No Bags Double Bagged: (Yes) / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: Storage Bins

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: _____

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: PCB

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift Ø

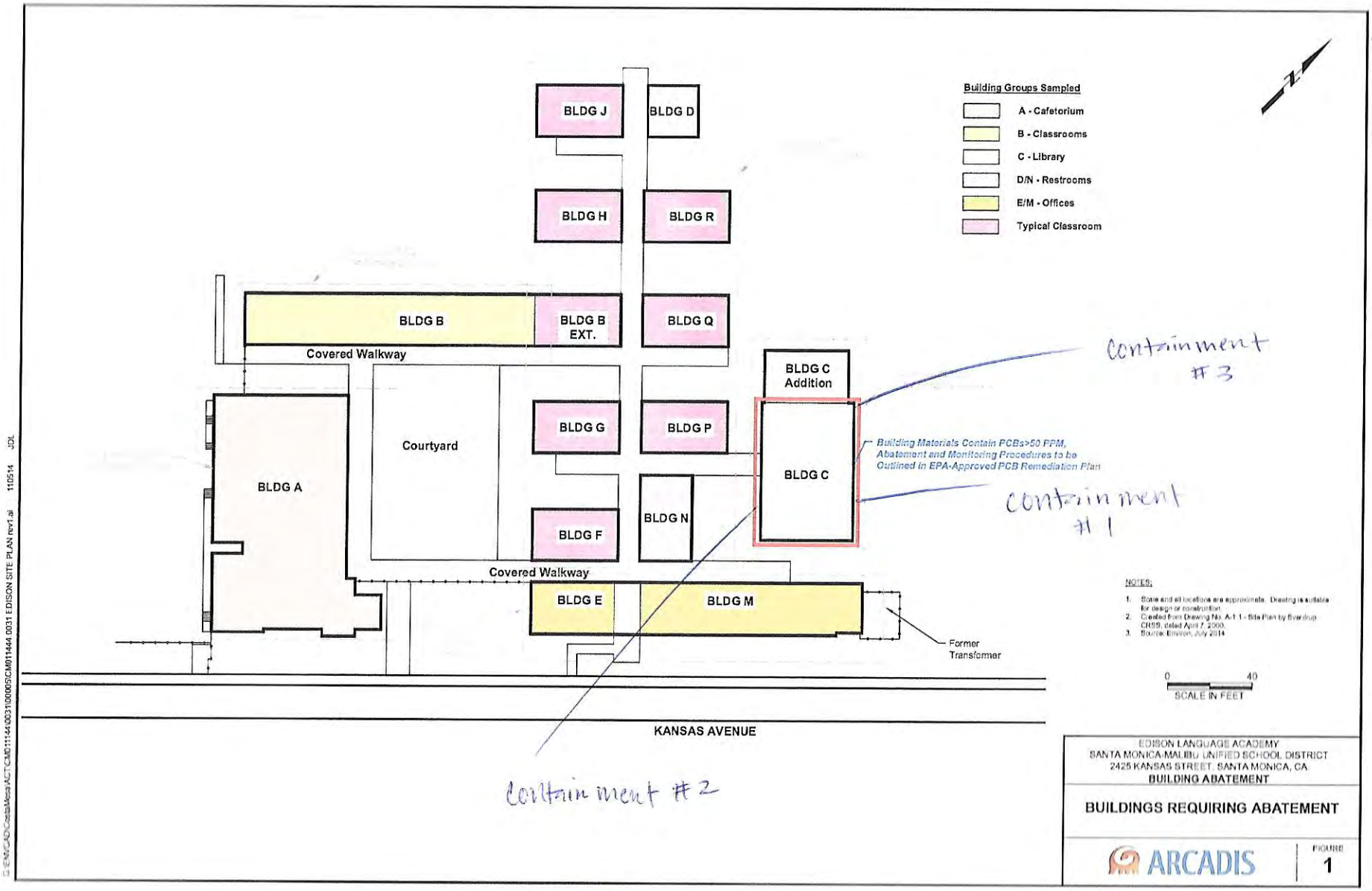
Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: Yes / No / (NA)

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

Other Observations: None

ARCADIS IH Representative: S Sanchez ARCADIS IH Rep Signature: S Sanchez

ARCADIS Checked by: _____



Containment #3

Containment #1

Containment #2

G:\EM\CAD\Castle\Maps\ACT\CM011144\0031\00005\CM011444 0031 EDISON SITE PLAN rev1.ai 110514 JDL

* Containments are (Both) Interior & Exterior

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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CM011144.0031 Client: SMMUSD Date: 12/22/14

Building/Location Name: ELA Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG C PCB (caulking) on Exterior windows -

Type/Quantity of Material to be Removed: 12 windows

WORK AREA ISOLATION:

Decontamination Chamber: ___ 1-Stage ___ 2-Stage ___ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ___ HVAC System ___ Electricity ___ Gas Other: water

Pre-cleaning of surfaces: (Yes) / No / NA If No or NA, describe why: ___

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State: CA

Critical Barriers: (Yes) / No ___ Doors/Windows ___ Vents/HVAC ___ Floor Drains Other: ___

Layers of Poly for Containment: 1 Walls 1 Floors 1 Ceilings Ø Unmovable Equipment

If no containment, describe isolation controls: ___

Negative Pressure Required: (Yes) / No Number of AFUs installed in work area: 3 Backup available: (Yes) / No

Calculation of Required # of AFUs: 4x17x10 = 680 ÷ 2,000 = 2.91 ÷ 60 = 20.62

Number of Air Changes per Hour: 20.62 Type of Manometer Used: N/A

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities: ___

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: (Yes) / No Shower Drain Has Proper 5 µM Filter: (Yes) / No

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: ___

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No

NIOSH Approved Respirators: (Yes) / No If No, describe why: ___

Type of Respirators: Half face Dual Use Cartridges: Yes / (No) If Yes, type: ___

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required: Safety Vest, glasses, hard hats, gloves and Safety fall harnesses -

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: ___

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METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Power tools, Hand held tools.

Describe work engineering control practices that will be used during the removal process:

Wet methods & dust control.

Glovebags Used for Project: *Yes* / (No) G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

"See Seperate Drawing"

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: "None"

ARCADIS IH Representative: [signature] ARCADIS IH Rep Signature: [signature]

ARCADIS Checked by: _____

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RECORD OF DAILY ACTIVITY

PROJECT: Eclipse Language Academy

ARCADIS PROJECT NUMBER: CM011144.0031

CLIENT: Summit

ARCADIS PERSONNEL: S. Sanchez

DATE: 12/23/14

WORK LOCATION: Bldg C

TIME	Observations / Activities
0700-	S. Sanchez arrives to job site and conducts a tailgate
0900	meeting w/ matrix - Scope of work is also discussed w/
	Ramon w/ Matrix - All 3 containments are now ready for
	a pre-abatement inspection - All 3 containments are
	intact w/ 6 mil poly (1 layer) from floor to ceiling, (2 layers)
	of 6 mil poly on containment floors - each containment has
	1 negative air machine on - Caution tape & "Danger Restricted
	Area" Signs are posted around each containment - Matrix
	given "OK" to begin work - Matrix crew suits up
	in full PPE and enters into the containments & begins
	removing walls below windows - PUF Sampler pumps
	are set up around fence line of School campus.
	Dust monitors (DataRAM) are also set up around
	fence line of School campus - Upwind reading (SE end of
	fence line) 0.019 mg/m3, Downwind readings (NE end of Fence line)
	0.002 mg/m3, Downwind reading (N end of fence line) 0.003 mg/m3.
0100	Upwind reading (SE end of fence line) 0.025 mg/m3, Downwind
	readings (N end) 0.007 mg/m3, (NE end) 0.003 mg/m3.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: CM011144.0031

CLIENT: JMMUSD **ARCADIS PERSONNEL:** Tiffany Martinez

DATE: 12/23/14 **WORK LOCATION:** BLDG C

TIME	Observations / Activities
1000	Matrix continues to work inside the containments w/ full
	PPE on and PUF Samplers continue to collect data -
	Down wind readings (N end) 0.002 mg/m3, (NE end) 0.005 mg/m3
	& Up wind reading (SE end) 0.023 mg/m3 -
1100-1130	Matrix breaks for lunch - Up wind reading (SE end) 0.018 mg/m3,
	Down wind reading (N end) 0.013 mg/m3 & (NE end) - 0.004 mg/m3 -
1230	Up wind (SE end) 0.037 mg/m3, Down winds (NE end) 0.027 mg/m3
	(N. end) 0.016 mg/m3 - No changes noted w/ Matrix -
1330	Up wind (SE end) 0.031 mg/m3, Down winds (NE end) 0.031 mg/m3
	(N. end) 0.009 mg/m3. Matrix continues to work inside #1
	3 containments -
1400	Matrix begins to box out PCB waste in double bags & Stored
	in locked Storage Bin onsite -
1430	Up wind (SE end) 0.029 mg/m3, Down winds (NE end) 0.027 mg/m3
	(N. end) 0.019 mg/m3 -
1530	AES Lab onsite to pick up PCB canisters - Matrix
	continues w/ clean up (detail) inside all 3 containments -
	Pine Environmental onsite to pick up PUF Samplers and

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW Checked by: _____

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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: [illegible] Client: [illegible] Date: [illegible]

Building/Location Name: ELA Project Address: 2425 Kansas Ave [illegible]

Specific Work Area Location: BLDG C Windows

Type/Quantity of Material to be Removed: 12 windows w/ PCB caulking

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / (No) If deficiency, describe corrective action: _____

AFUs functioning properly (Yes) / No If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: (Yes) / No Number of AFUs in Work Area: 3

Manometer Functioning Properly (Yes) / No If No, describe: _____

Other Deficiencies Noted _____

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: (Yes) / No HEPA Vacuums Used: (Yes) / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: (Yes) / No Bags Double Bagged: (Yes) / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: Roll off Bin

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:						

Describe any deficiencies observed during work shift: None

Final Daily Observations PCB

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

PCB

Total Number of Bags/Drums of Waste Generated for the Shift 110

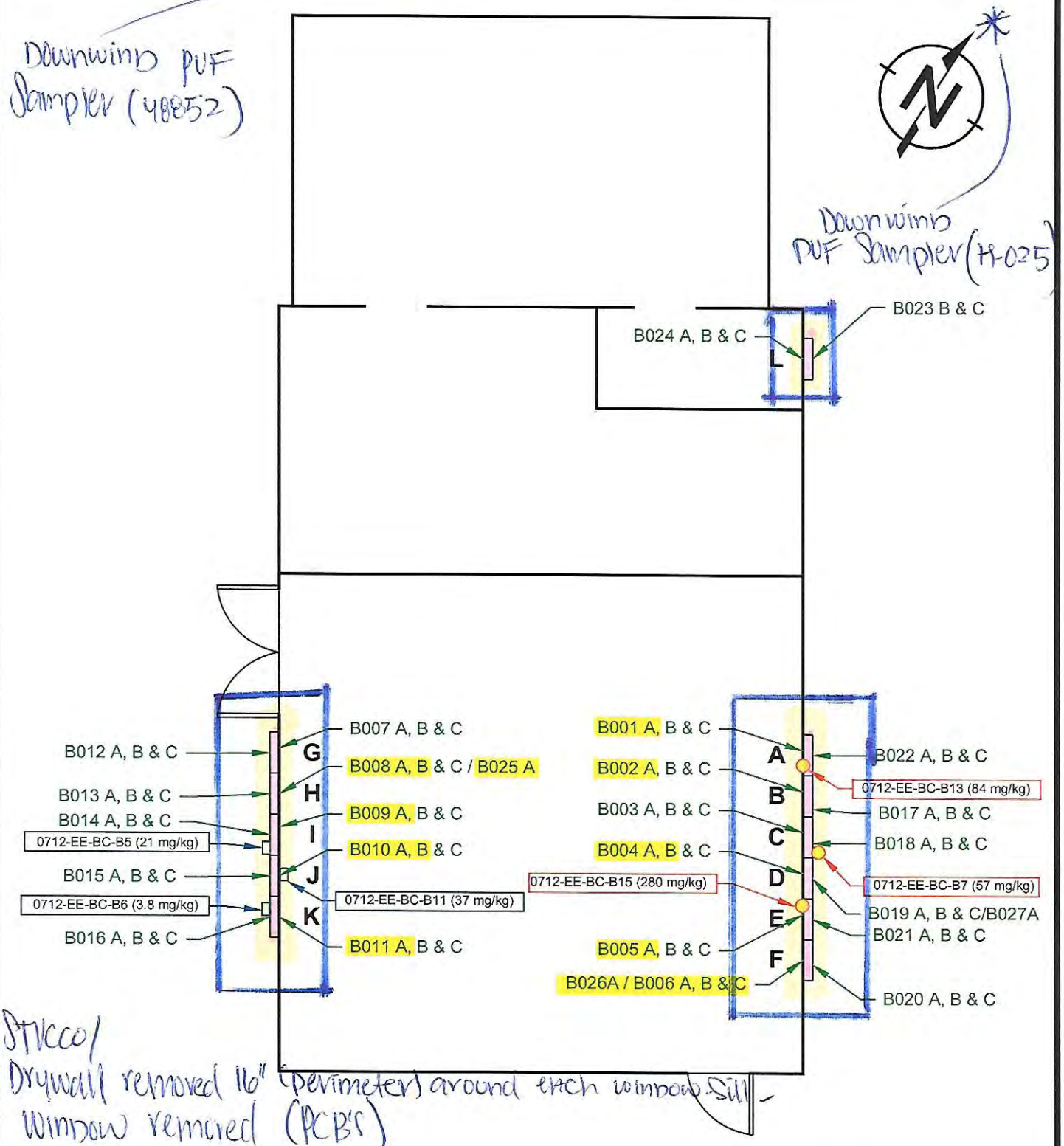
Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: Yes / No / (NA)

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

Other Observations: None

ARCADIS IH Representative: J. Jardine ARCADIS IH Rep Signature: [signature]

ARCADIS Checked by: _____



RSO 11/20/14 [FIG3_BM_LIBRARYSAMPLINGPLAN] Q:\DRAWINGS\0433980K

ENVIRON

DRAFTED BY: JPH | DATE: October 2014

Detail of PCB Sampling Locations
Building Materials
Edison Elementary School
2425 Kansas Avenue; Santa Monica, California

FIGURE
3

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ABATEMENT MONITORING FINAL INSPECTION

Project Number: CA001144.0031 Client: SMMUSD Date: 12/23/14

Building/Location Name: EH Project Address: 2425 Virginia Ave Santa Monica, CA

Specific Work Area Location: BLDG C windows (PCB)

Type/Quantity of Material Removed: 12 windows w/ PCB caulking

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass _____ Fail If No, describe why: _____

Settled dust: ✓ Pass _____ Fail If No, describe why: _____

Work area dry: ✓ Pass _____ Fail If No, describe why: _____

Hand wipe: ✓ Pass _____ Fail If No, describe why: _____

Flashlight: ✓ Pass _____ Fail If No, describe why: _____

Corrective Actions Requested: None

Work Area Final Visual Inspection: ✓ **Pass** _____ **Fail**

SEALANT

Is sealant a different color from substrate? Yes / No If No, describe why: N/A PCB removal

Are all exposed surfaces coated? Yes / No If No, describe why: N/A PCB removal

FINAL CLEARANCE

* PCB Air Samples taken to lab * 3 Air Samples *

Asbestos

Clearance criteria: AHERA State Specific: _____ SPECIFICATIONS

Describe protocol: _____

Clearance level: ≤0.01 f/cc ≤70 str/mm² 0.1 f/cc Other: _____

Aggressive: Yes / No Boxfans: Yes / No Number: _____ Leafblower: Yes / No

Number of samples inside containment: _____ Number of samples outside containment: _____

Lead

Clearance criteria: EPA/HUD State Specific: _____ SPECIFICATIONS

Wipe sample location(s): _____

Clearance level: Floors: 40µg/ft² W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other: _____

Microbial

Sampling protocols: Spore traps: # and type _____ Surface swabs: # and type: _____

Culture plates: # and type: _____ Other: _____

Clearance criteria: (describe) _____

ARCADIS IH Representative: J. Savarese ARCADIS IH Rep Signature: [signature]

ARCADIS Checked by: _____

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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CAM011144.0031 Client: SMMUSD Date: 12/23/14

Building/Location Name: ELA Project Address: 2425 Kenscot Ave Santa Monica, CA

Specific Work Area Location: BLDG C Windows

Type/Quantity of Material to be Removed: 12 Windows w/ PCB Caulking

WORK AREA ISOLATION:

Decontamination Chamber: ____ 1-Stage ____ 2-Stage ____ 3-Stage Proper Airlocks: Yes / No

Utility Shutdown: ____ HVAC System ____ Electricity ____ Gas Other: Water

Pre-cleaning of surfaces: Yes / No / NA If No or NA, describe why: ____

Barrier Tape Used to Designate Work Area: Yes / No OSHA and State Signage: Yes / No State: CA

Critical Barriers: Yes / No ____ Doors/Windows ____ Vents/HVAC ____ Floor Drains Other: ____

Layers of Poly for Containment: 1 Walls 2 Floors ____ Ceilings ____ Unmovable Equipment

If no containment, describe isolation controls: ____

Negative Pressure Required: Yes / No Number of AFUs installed in work area: 3 Backup available: Yes / No

Calculation of Required # of AFUs: 4x17x10 = 680 ÷ 2,000 = 2.91 ÷ 60 = 20.62

Number of Air Changes per Hour: 20.62 Type of Manometer Used: N/A

HYGIENE FACILITIES

Shower Functional: Yes / No / NA If No or NA, describe hygiene facilities: ____

Hygiene Facilities Clean and Sanitary: Yes / No Adequate Amount of Towels, Soap, etc.: Yes / No

Shower Has Separate Hot and Cold Water: Yes / No Shower Drain Has Proper 5 µM Filter: Yes / No

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: ____

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site Yes / No Records Reviewed Yes / No

NIOSH Approved Respirators: Yes / No If No, describe why: ____

Type of Respirators: Half face Dual Use Cartridges: Yes / No If Yes, type: ____

Type of Coveralls: Disposable or Launderable Head Covering and foot/shoe coverlets: Yes / No

Other Types of PPE Required: Hard Hat, Safety Harnesses, Safety vest & glasses - Gloves -

ARCADIS IH Representative: S. Sanchez ARCADIS IH Rep Signature: [signature]

ARCADIS Checked by: ____

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METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Hand held tools, power tools.

Describe work engineering control practices that will be used during the removal process:

wet methods.

Glovebags Used for Project: *Yes* / (No) G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

" See Seperate drawing "

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: None

ARCADIS IH Representative: S. Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: ___

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: CM011411.0031

CLIENT: SMMUSD **ARCADIS PERSONNEL:** Julian Sanchez

DATE: 12/24/14 **WORK LOCATION:** BLDG C

TIME	Observations / Activities
1530 unit	Dust monitors.
1400 -	All 3 containments are now ready for visual
1430	clearance. All 12 windows have been removed w/
	16" of Drywall and Stucco removed around window
	Sills (interior & exterior) perimeters. Additionally Interior
	Drywall walls removed from floors to ceilings. (See photos.)
	No PCB debris noted in All 3 containments. Matrix
	given OK to break down containments. Visual
	Clearance has passed.
1430	J. Sanchez off job site.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: CMC11144.0031 Client: SMMUSD Date: 12/24/14

Building/Location Name: ELA Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG C (Interior)

Type/Quantity of Material to be Removed: Approx = 5,500 ft Drywall w/ JIC

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / (No) If deficiency, describe corrective action: _____

AFUs functioning properly (Yes) / No If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: (Yes) / No Number of AFUs in Work Area: 3

Manometer Functioning Properly (Yes) / No If No, describe: _____

Other Deficiencies Noted _____

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: (Yes) / No HEPA Vacuums Used: (Yes) / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: (Yes) / No Bags Double Bagged: (Yes) / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: Storage Bins

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: N/A

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift Ø

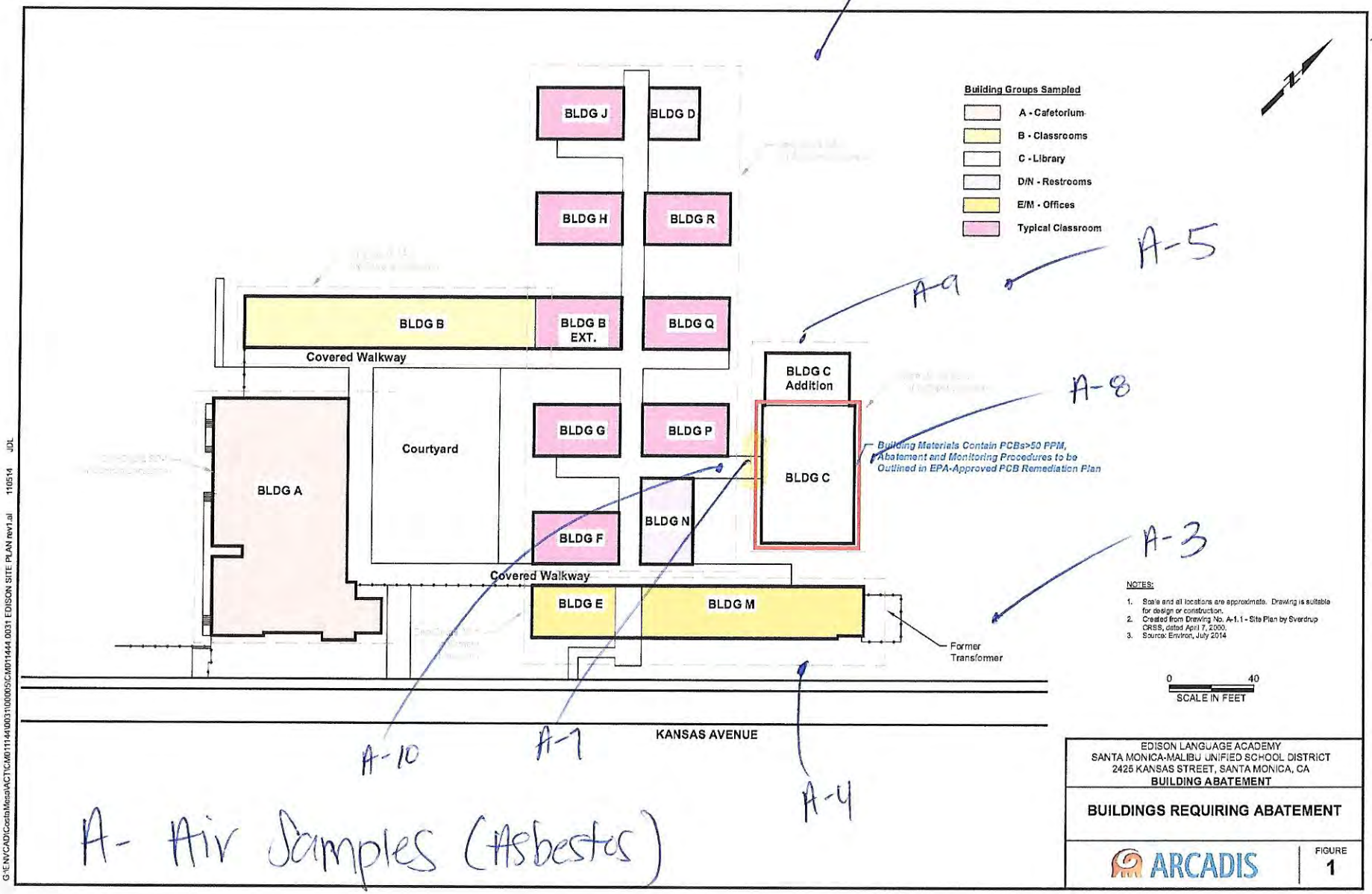
Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: Yes / No (NA)

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

Other Observations: None

ARCADIS IH Representative: J. Sanchez ARCADIS IH Rep Signature: [signature]

ARCADIS Checked by: _____



A- Air Samples (Asbestos)

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ABATEMENT MONITORING FINAL INSPECTION

Project Number: CM011144.0031 Client: SMMUSD Date: 12/24/14

Building/Location Name: ELA Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG C (interior)

Type/Quantity of Material Removed: Approx: 3,500 ft drywall w/ J/C

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass ____ Fail If No, describe why: ____

Settled dust: ✓ Pass ____ Fail If No, describe why: ____

Work area dry: ✓ Pass ____ Fail If No, describe why: ____

Hand wipe: ✓ Pass ____ Fail If No, describe why: ____

Flashlight: ✓ Pass ____ Fail If No, describe why: ____

Corrective Actions Requested: None

Work Area Final Visual Inspection: ✓ **Pass** ____ **Fail**

SEALANT

Is sealant a different color from substrate? (Yes) / No If No, describe why: ____

Are all exposed surfaces coated? (Yes) / No If No, describe why: ____

FINAL CLEARANCE

Asbestos

Clearance criteria: (AHERA) PCM State Specific: CA SPECIFICATIONS

Describe protocol: ____

Clearance level: (≤0.01 f/cc) ≤70 str/mm² 0.1 f/cc Other: ____

Aggressive: Yes / (No) Boxfans: Yes / (No) Number: ____ Leafblower: Yes / (No)

Number of samples inside containment: N/A Number of samples outside containment: 8

Lead

Clearance criteria: EPA/HUD State Specific: ____ SPECIFICATIONS

Wipe sample location(s): ____

Clearance level: Floors: 40µg/ft² W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other: ____

Microbial

Sampling protocols: Spore traps: # and type ____ Surface swabs: # and type: ____

Culture plates: # and type: ____ Other: ____

Clearance criteria: (describe) ____

ARCADIS IH Representative: S Sanchez ARCADIS IH Rep Signature: [signature]

ARCADIS Checked by: ____

ARCADIS
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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CM011144.0031 Client: SMMUSD Date: 12/24/14

Building/Location Name: ELA Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG C (interior)

Type/Quantity of Material to be Removed: Approx: 5,500 Drywall w/ JTC

WORK AREA ISOLATION:

Decontamination Chamber: ____ 1-Stage ____ 2-Stage ✓ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ✓ HVAC System ✓ Electricity ✓ Gas Other: Water

Pre-cleaning of surfaces: *Yes* / *No* / (NA) If No or NA, describe why: BLDG to be Demo

Barrier Tape Used to Designate Work Area: (Yes) / *No* OSHA and State Signage: (Yes) / *No* State: CA

Critical Barriers: (Yes) / No ✓ Doors/Windows ✓ Vents/HVAC ✓ Floor Drains Other: ____

Layers of Poly for Containment: 1 Walls 1 Floors ____ Ceilings ____ Unmovable Equipment

If no containment, describe isolation controls: ____

Negative Pressure Required: (Yes) / *No* Number of AFUs installed in work area: 3 Backup available: (Yes) / *No*

Calculation of Required # of AFUs: 40x17x10= 6,800 ÷ 2,000 = 3.4 ÷ 60 = 17.65 x 3 = 52.95

Number of Air Changes per Hour: 52.95 Type of Manometer Used: N/A

HYGIENE FACILITIES

Shower Functional: (Yes) / *No* / *NA* If No or NA, describe hygiene facilities: ____

Hygiene Facilities Clean and Sanitary: (Yes) / *No* Adequate Amount of Towels, Soap, etc.: (Yes) / *No*

Shower Has Separate Hot and Cold Water: (Yes) / *No* Shower Drain Has Proper 5 µM Filter: (Yes) / *No*

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: ____

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / *No* Records Reviewed (Yes) / *No*

NIOSH Approved Respirators: (Yes) / *No* If No, describe why: ____

Type of Respirators: Half face Dual Use Cartridges: *Yes* / (No) If Yes, type: ____

Type of Coveralls: ~~*Disposable*~~ or *Launderable* Head Covering and foot/shoe coverlets: (Yes) / *No*

Other Types of PPE Required: Hard Hats, Safety glasses & vest, Gloves

ARCADIS IH Representative: S. Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: ____

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METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Hand held tools.

Describe work engineering control practices that will be used during the removal process:

Wet methods

Glovebags Used for Project: *Yes* / (*No*) G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

" See Seperate Drawings "

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: None

ARCADIS IH Representative: S. Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: _____

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: 30011444.0031

CLIENT: SMMUSD

ARCADIS PERSONNEL: Steven Sanchez

DATE: 12/20/24

WORK LOCATION: BLDG C (interior)

TIME	Observations / Activities
0600	S. Sanchez arrives to job site - Tailgate meeting is held w/
0700	Matrix - Matrix is finish drywall w/ J/C, Chalk board & five doors
	removal today - No concerns noted during tailgate meeting -
	Air pumps are set up around school campus fence lines and
	around primeter of containment - Matrix crew suits up in full PPE
	and enters into the containment -
0900	Matrix crew continues to work inside the containment in full PPE
	while using wet methods. Storage bin arrives at job site for Asbestos
	removal -
1000-1030	Matrix breaks for lunch -
1130	Matrix crew continues to work inside the contain w/ full PPE on, NO
	changes noted -
1300	Matrix continues to remove drywall w/ J/C inside the containment
	and bags out waste - No changes noted -
1430	Matrix Crew continues to work inside the containment. Air pumps
	continue to run as well.
1530	Containment is now ready for a visual clearance. Containment
	visual PASSES no bln w/ J/C debris noted. S. Sanchez off job site @
	1600.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: CNCIM144.0031 Client: SMMUSD Date: 12/26/24

Building/Location Name: ELA Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG C (interior)

Type/Quantity of Material to be Removed: 1201D Chalkboard mastic, 5,500D SF w/ JC & 2 Five Doors.

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / (No) If deficiency, describe corrective action: _____

AFUs functioning properly (Yes) / No If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: (Yes) / No Number of AFUs in Work Area: 3

Manometer Functioning Properly (Yes) / No If No, describe: _____

Other Deficiencies Noted _____

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: (Yes) / No HEPA Vacuums Used: (Yes) / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: (Yes) / No Bags Double Bagged: (Yes) / No

Waste Bags Stored at Work Area: (Yes) / No Storage Location of Waste Bags: Storage Bins

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: None

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift _____

Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: Yes / No / (NA)

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

Other Observations: None

ARCADIS IH Representative: S. Sanchez ARCADIS IH Rep Signature: S. Sanchez

ARCADIS Checked by: _____

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ABATEMENT MONITORING FINAL INSPECTION

Project Number: CMCMMU.CB1 Client: SMMUSD Date: 12/26/14

Building/Location Name: ELA Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG C (Interior)

Type/Quantity of Material Removed: approx 5,500 ft DW/JC, 1,200 ft Chalkboard mastic & 2 fire doors

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass ____ Fail If No, describe why: ____

Settled dust: ✓ Pass ____ Fail If No, describe why: ____

Work area dry: ✓ Pass ____ Fail If No, describe why: ____

Hand wipe: ✓ Pass ____ Fail If No, describe why: ____

Flashlight: ✓ Pass ____ Fail If No, describe why: ____

Corrective Actions Requested: NONE

Work Area Final Visual Inspection: ✓ **Pass** ____ **Fail**

SEALANT

Is sealant a different color from substrate? (Yes) / No If No, describe why: ____

Are all exposed surfaces coated? (Yes) / No If No, describe why: ____

FINAL CLEARANCE

Asbestos

Clearance criteria: (AHERA) State Specific: CA SPECIFICATIONS

Describe protocol: PCM

Clearance level: (≤0.01 f/cc) ≤70 str/mm² 0.1 f/cc Other: ____

Aggressive: Yes / (No) Boxfans: Yes / (No) Number: ____ Leafblower: Yes / (No)

Number of samples inside containment: 0 Number of samples outside containment: 8

Lead

Clearance criteria: EPA/HUD State Specific: ____ SPECIFICATIONS

Wipe sample location(s): ____

Clearance level: Floors: 40µg/ft² W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other: ____

Microbial

Sampling protocols: Spore traps: # and type ____ Surface swabs: # and type: ____

Culture plates: # and type: ____ Other: ____

Clearance criteria: (describe) ____

ARCADIS IH Representative: S Santee ARCADIS IH Rep Signature: Steven Santee

ARCADIS Checked by: ____

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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CMC11144.0031 Client: SAMUSD Date: 12/26/14

Building/Location Name: ELA Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: BLDG C (Interior) Chalkboard mastic Drywall w/ JC & Five Doors -

Type/Quantity of Material to be Removed: Chalkboard mastic 1200 ft & 2 Five Doors. Drywall w/ joint compound Approx = 5,500 ft

WORK AREA ISOLATION:

Decontamination Chamber: ____ 1-Stage ____ 2-Stage ✓ 3-Stage Proper Airlocks: (Yes) / No

Utility Shutdown: ✓ HVAC System ✓ Electricity ✓ Gas Other: water

Pre-cleaning of surfaces: Yes / No / (NA) If No or NA, describe why: BLDG to be Demo

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State: CA

Critical Barriers: (Yes) / No ✓ Doors/Windows ✓ Vents/HVAC ✓ Floor Drains Other: ____

Layers of Poly for Containment: 1 Walls 1 Floors ____ Ceilings ____ Unmovable Equipment

If no containment, describe isolation controls: ____

Negative Pressure Required: (Yes) / No Number of AFUs installed in work area: 3 Backup available: (Yes) / No

Calculation of Required # of AFUs: 40x17x10 = 6,800 ÷ 2,000 = 3.4 ÷ 60 = 17.65

Number of Air Changes per Hour: 17.65 x3 = 52.95 Type of Manometer Used: N/A

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities: ____

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: (Yes) / No Shower Drain Has Proper 5 µM Filter: (Yes) / No

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: ____

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No

NIOSH Approved Respirators: (Yes) / No If No, describe why: ____

Type of Respirators: Half Face Dual Use Cartridges: Yes / (No) If Yes, type: ____

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required: Hard Hats, Safety Glasses & Vest, Gloves -

ARCADIS IH Representative: S. Sanchez ARCADIS IH Rep Signature: Stephen Sanchez

ARCADIS Checked by: ____

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METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Power tools & Hand Held Tools.

Describe work engineering control practices that will be used during the removal process:

Wet Methods

Glovebags Used for Project: *Yes* / (*No*) G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

"See Seperate Drawing"

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: None

ARCADIS IH Representative: S. Sanchez ARCADIS IH Rep Signature: Shawn Sanchez

ARCADIS Checked by:

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RECORD OF DAILY ACTIVITY

PROJECT: Edinson Language Academy

ARCADIS PROJECT NUMBER: CM011141.0031

CLIENT: SMMUSD **ARCADIS PERSONNEL:** Ayleen Sanchez

DATE: 12/20/14 **WORK LOCATION:** BLDG C.

TIME	Observations / Activities
0830	J. Sanchez arrives to job site and enters into containment in full PPE and conducts a visual inspection - Encapsulation is dry and containment is free of any visible drywall w/ joint compound debris.
0900	Air pumps are set up inside the containment for final air clearance.
1030	PCM cassettes are collected and labeled to be analyzed at lab.
1045	J. Sanchez off job site.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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RECORD OF DAILY ACTIVITY

PROJECT: EDISON ACADEMY

ARCADIS PROJECT NUMBER: CO1144.0031

CLIENT: SMMUSD **ARCADIS PERSONNEL:** STEVE SANCHEZ / BRIAN WHITE

DATE: 12-3-14 **WORK LOCATION:**

TIME	Observations / Activities
0600	BTW on site.
0700	MATRIX Begin ARRIVAL, STEVE SANCHEZ on site
0745	ATTEND MATRIX TAILGATE.
0815	JEFF JOHNSON & PHIL SKORG on site TO ATTEND
	MEETING. Weather Station Set up.
0850	db READING @ EAST END @ KANSAS = 58.6, NORTH SIDE FENCE
	ALONG SCHOOL = 65.2, WEST GATE @ KANSAS = 70.2
	MATRIX WORKING ON WALKWAY CANOPIES TODAY
	DUE TO RAIN.
0945	MATRIX WORKING on WALKWAY CANOPY & WEST END
	CANOPY POLES. NO PCB MONITORING AS ~~LIGHT~~ LITE
	RAIN IS SUPPRESSING DUST. & MATRIX USING JACK HAMMER
	ON SKID STEER TO REMOVE CANOPY POLES
1145	Matrix continues to demo Walkway canopy & west
	end canopy post - NO changes noted, Rain continues to fall -
1300-1330	Matrix breaks for lunch -
1500	Matrix continues to chip away concrete to expose post &
	remove post from base, NO disturbance to post noted →

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Academy

ARCADIS PROJECT NUMBER: CMC11144.0031

CLIENT: SMMUSD

ARCADIS PERSONNEL: Steven Sanchez

DATE: 12/3/14

WORK LOCATION:

TIME	Observations / Activities
1500	Post are wrapped in poly plastic (Burrito wrapped.)
1600	Matrix begins to clean up in the work areas
	White Rain continues to fall.
1645	S. Sanchez off job site.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Academy

ARCADIS PROJECT NUMBER: CAMA1144-0031

CLIENT: SMMUSD **ARCADIS PERSONNEL:** Steven Sanchez

DATE: 12/4/14 **WORK LOCATION:** BLDG

TIME	Observations / Activities
0700	S. Sanchez arrives to job site and meets w/ Ramon w/ matrix. Tailgate meeting is conduct-
0800	Weather station and Tisch PUF air pumps are set up along fence line - Matrix given ok to start removing canopies post-
	Matrix chipping concrete footing around post while using wet method - no dust or any disturbance to posts noted-
1000	Matrix continues to remove post-
1100	Matrix begans to demo buildings and remove post. Air pumps are still running -
1230	Matrix breaks for lunch-
1300	Matrix returns to work crews. Air pumps still running -
1330	Matrix is complete w/ post removal. All post are burrito wrapped and placed in storage bin onsite, no debris or disturbance noted -
1600	Matrix still demoing buildings -
1645	Matrix shuts down for the day - S. Sanchez off job site -

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: CAMILLY4.0031 Client: SMMUSD Date: 12/4/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: Walkway Canopy post (PCB)

Type/Quantity of Material to be Removed: Metal post 16 total

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact *Yes* / (*No*) If No, describe: not required

NPE / Glovebag Smoke Tested: *Yes* / *No* If deficiency, describe corrective action: _____

AFUs functioning properly *Yes* / *No* If No, describe: _____

Appropriate Number of AFUs Functioning in Work Area: *Yes* / *No* Number of AFUs in Work Area: _____

Manometer Functioning Properly *Yes* / *No* If No, describe: _____

Other Deficiencies Noted _____

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (*Yes*) / *No* Amended Water Used: (*Yes*) / *No* HEPA Vacuums Used: *Yes* / (*No*)

Waste Bagged While Wet: (*Yes*) / *No* Bags Properly Labeled: (*Yes*) / *No* Bags Double Bagged: *Yes* / (*No*) Burrito wrapped

Waste Bags Stored at Work Area: (*Yes*) / *No* Storage Location of Waste Bags: Storage Bins

Workers Using PPE at All Times: (*Yes*) / *No* If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: *Yes* / (*No*)

Workers Utilizing Hygiene Facilities: (*Yes*) / *No* If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: _____

Final Daily Observations "PCB"

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (*Yes*) / *No* If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: *Yes* / (*No*) If Yes, describe: _____

"PCB"

Total Number of Bags/Drums of Waste Generated for the Shift 16

Work Area Sealed and/or Secured at End of Shift: *Yes* / *No* / (*NA*) AFUs Remaining Operational: *Yes* / *No* / (*NA*)

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (*Yes*) / *No*

Other Observations: None

ARCADIS IH Representative: Shawn Sinclair ARCADIS IH Rep Signature: Shawn Sinclair

ARCADIS Checked by: _____

Tisch PUF

12/4/14

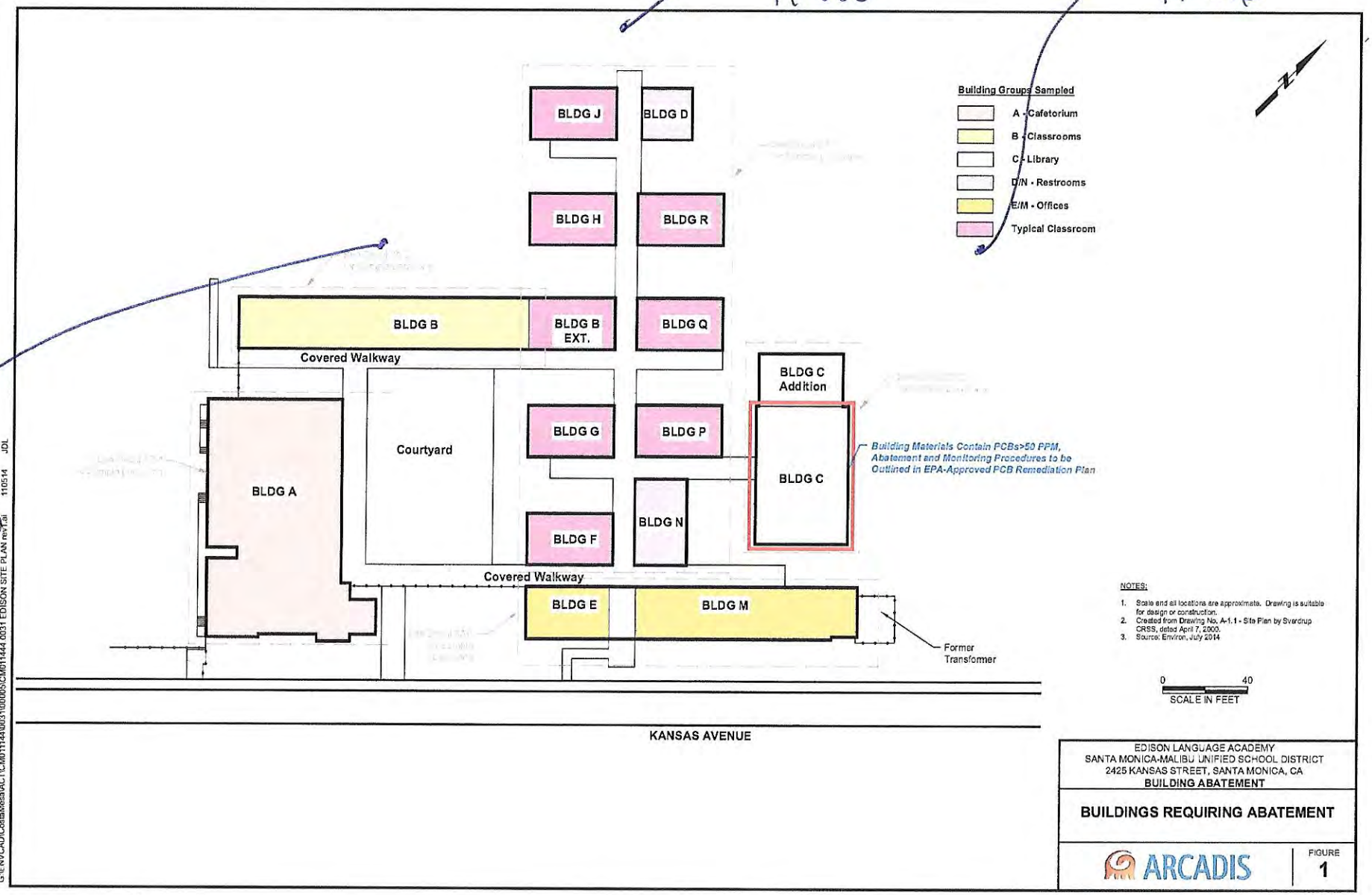
PN- 0M011144.0031

Down Wind #1 H-008

#2 H-016 Down wind

N

#3 H-030 Up wind



G:\ENVCAD\CostaMesa\ACT\CM011144\003\100005\CM011444 0031 EDISON SITE PLAN rev1.dsl 110514 JDL

EDISON LANGUAGE ACADEMY
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2425 KANSAS STREET, SANTA MONICA, CA
BUILDING ABATEMENT

BUILDINGS REQUIRING ABATEMENT

ARCADIS

FIGURE 1

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ABATEMENT MONITORING FINAL INSPECTION

Project Number: CNC11144.0031 Client: SMMUSD Date: 12/14/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: Walk way Canopy post (PCB)

Type/Quantity of Material Removed: Metal post 16 total

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass ____ Fail If No, describe why: ____

Settled dust: ✓ Pass ____ Fail If No, describe why: ____

Work area dry: ✓ Pass ____ Fail If No, describe why: ____

Hand wipe: ✓ Pass ____ Fail If No, describe why: ____

Flashlight: ✓ Pass ____ Fail If No, describe why: ____

Corrective Actions Requested: None

Work Area Final Visual Inspection: ____ **Pass** ____ **Fail**

SEALANT

Is sealant a different color from substrate? Yes / No If No, describe why: N/A

Are all exposed surfaces coated? Yes / No If No, describe why: N/A

FINAL CLEARANCE

* PCB canisters sent to Lab - *

Asbestos

Clearance criteria: AHERA State Specific: ____ SPECIFICATIONS

Describe protocol: ____

Clearance level: ≤0.01 f/cc ≤70 str/mm^2 0.1 f/cc Other: ____

Aggressive: Yes / No Boxfans: Yes / No Number: ____ Leafblower: Yes / No

Number of samples inside containment: ____ Number of samples outside containment: ____

Lead

Clearance criteria: EPA/HUD State Specific: ____ SPECIFICATIONS

Wipe sample location(s): ____

Clearance level: Floors: 40µg/ft^2 W. Sills: 250 µg/ft^2 W. Troughs: 400 µg/ft^2 Other: ____

Microbial

Sampling protocols: Spore traps: # and type ____ Surface swabs: # and type: ____

Culture plates: # and type: ____ Other: ____

Clearance criteria: (describe) ____

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by: ____

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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CMCI1144.0031 Client: SMMUSD Date: 12/4/14

Building/Location Name: Edison Language Academy Project Address: 2425 Kansas Ave Santa Monica, CA

Specific Work Area Location: Walkway Canopy post (PC13)

Type/Quantity of Material to be Removed: metal post - 16 total -

WORK AREA ISOLATION:

Decontamination Chamber: N/A 1-Stage _____ 2-Stage _____ 3-Stage Proper Airlocks: *Yes* / (*No*)

Utility Shutdown: ✓ HVAC System ✓ Electricity ✓ Gas Other: water

Pre-cleaning of surfaces: *Yes* / *No* / (*NA*) If No or NA, describe why: _____

Barrier Tape Used to Designate Work Area: (*Yes*) / *No* OSHA and State Signage: (*Yes*) / *No* State: CA

Critical Barriers: Yes / (No) _____ Doors/Windows _____ Vents/HVAC _____ Floor Drains Other: _____

Layers of Poly for Containment: N/A Walls _____ Floors _____ Ceilings _____ Unmovable Equipment

If no containment, describe isolation controls: post burrito wrapped in poly -

Negative Pressure Required: *Yes* / (*No*) Number of AFUs installed in work area: _____ Backup available: *Yes* / *No*

Calculation of Required # of AFUs: _____

Number of Air Changes per Hour: _____ Type of Manometer Used: _____

HYGIENE FACILITIES

Shower Functional: *Yes* / *No* / (*NA*) If No or NA, describe hygiene facilities: _____

Hygiene Facilities Clean and Sanitary: *Yes* / *No* Adequate Amount of Towels, Soap, etc.: (*Yes*) / *No*

Shower Has Separate Hot and Cold Water: *Yes* / *No* Shower Drain Has Proper 5 µM Filter: *Yes* / *No*

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: Wash towels & soap & water

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (*Yes*) / *No* Records Reviewed (*Yes*) / *No*

NIOSH Approved Respirators: (*Yes*) / *No* If No, describe why: _____

Type of Respirators: Half face Dual Use Cartridges: *Yes* / (*No*) If Yes, type: _____

Type of Coveralls: (*Disposable*) or *Launderable* Head Covering and foot/shoe coverlets: *Yes* / *No*

Other Types of PPE Required: Hard hats, Safety glasses & vest, Gloves -

ARCADIS IH Representative: Steven Sarkis ARCADIS IH Rep Signature: Steven Sarkis

ARCADIS Checked by: _____

ARCADIS

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METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Bobcat w/ Jack hammer -

Describe work engineering control practices that will be used during the removal process:

Wet methods -

Glovebags Used for Project: *Yes / No* G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes / No* Drop Cloth Used: *Yes / No* 2 Workers per G-bag: *Yes / No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes / No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS

// SEE Seperate Drawing //

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS / FAIL*

Corrective Actions Requested Prior to Approval: None

ARCADIS IH Representative: Steven Sanchez ARCADIS IH Rep Signature: Steven Sanchez

ARCADIS Checked by:_____

ARCADIS

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RECORD OF DAILY ACTIVITY

PROJECT: Edison Language Academy

ARCADIS PROJECT NUMBER: CM011144.0031

CLIENT: SMMUSD **ARCADIS PERSONNEL:** Steven Sanchez

DATE: 12/5/14 **WORK LOCATION:** School campus -

TIME	Observations / Activities
0730	S. Sanchez arrives to job site and attends tailgate meeting w/ matrix -
0800	Matrix begans demo of Buildings -
1000	Matrix continues demo of Buildings while wetting down all debris with five hoses -
1130	Matrix breaks for lunch -
1200	Matrix returns from lunch & begans with demo again -
1230	John Anderson w/ AQMD shows up to job site, checks are notifications and Asbestos survey - Walks around job site - Ramon w/ matrix is to email John the demo notification -
1300	John Anderson off site, matrix continues to demo buildings -
1345	Matrix removed concrete is SE end of school campus for soil & water samples to be taken -
1420	James Stano arrives to job site to sample soil & water -

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

1500 - S. Sanchez off job site, takes samples to lab in Simi Valley -

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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: CM011144.0031 Client: SMMUSD Date: 1-8-15

Building/Location Name: ELA / SM Project Address: 2425 Kansas

Specific Work Area Location: Excavation Lot (former bldg pad)

Type/Quantity of Material to be Removed: Transite Pipe / 65 LF

WORK AREA ISOLATION:

Decontamination Chamber: ✓ 1-Stage N/A 2-Stage N/A 3-Stage Proper Airlocks: Yes / No N/A

Utility Shutdown: N/A HVAC System N/A Electricity N/A Gas Other:

Pre-cleaning of surfaces: Yes / No / NA If No or NA, describe why:

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State:

Critical Barriers: (Yes) / No ✓ Doors/Windows N/A Vents/HVAC N/A Floor Drains Other: N/A

Layers of Poly for Containment: N/A Walls 2 Floors N/A Ceilings N/A Unmovable Equipment

If no containment, describe isolation controls: barrier tape

Negative Pressure Required: Yes / (No) Number of AFUs installed in work area: N/A Backup available: Yes / No N/A

Calculation of Required # of AFUs: N/A

Number of Air Changes per Hour: N/A Type of Manometer Used: N/A

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities: wash station

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: Yes / (No) Shower Drain Has Proper 5 µM Filter: Yes / No N/A

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: wash station

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site Yes / No Records Reviewed Yes / No

NIOSH Approved Respirators: (Yes) / No If No, describe why:

Type of Respirators: Full face APR Dual Use Cartridges: Yes / (No) If Yes, type:

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required:

ARCADIS IH Representative: A Ack ARCADIS IH Rep Signature: A Ack

ARCADIS Checked by:

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METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Bobcat scoops up soil. Shovels scoop up soil

Describe work engineering control practices that will be used during the removal process:

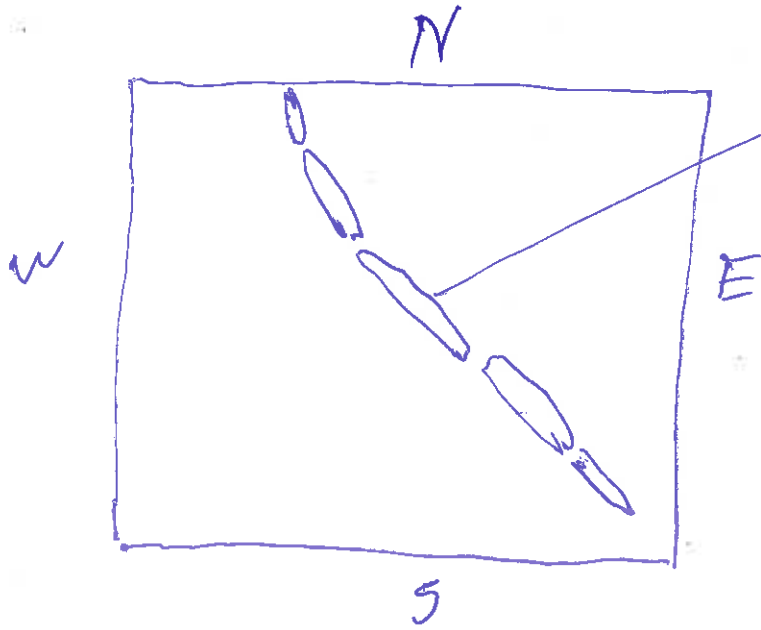
Amended water from Hudson or Silex Sprayer & or hose water spray

Glovebags Used for Project: *Yes* / *No* G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS



Trench Exploration Track where Matrix searched for transite pipe

PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS* / *FAIL*

Corrective Actions Requested Prior to Approval: ___

ARCADIS IH Representative: A Ach ARCADIS IH Rep Signature: A Ach

ARCADIS Checked by:

ARCADIS
Infrastructure · Water · Environment · Buildings

ABATEMENT MONITORING FINAL INSPECTION

Project Number: CM011144.0031 Client: SMMUSD Date: 1-8-15

Building/Location Name: ELA ISM Project Address: 2425 Hanson

Specific Work Area Location: Excavation 1

Type/Quantity of Material Removed: Transite pipe / 69LF / Concrete footings with Transite pipe

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass ____ Fail If No, describe why: ____

Settled dust: ✓ Pass ____ Fail If No, describe why: ____

Work area dry: ✓ Pass ____ Fail If No, describe why: ____

Hand wipe: ✓ Pass ____ Fail If No, describe why: ____

Flashlight: ✓ Pass ____ Fail If No, describe why: ____

Corrective Actions Requested: ____

Work Area Final Visual Inspection: ✓ **Pass** ____ **Fail**

SEALANT

Is sealant a different color from substrate? (Yes) / No If No, describe why: ____

Are all exposed surfaces coated? (Yes) / No If No, describe why: ____

FINAL CLEARANCE

Asbestos

Clearance criteria: (AHERA) State Specific: ≤ 0.01 f/cc SPECIFICATIONS

Describe protocol: Normal clearance

Clearance level: (≤0.01 f/cc) ≤70 str/mm² 0.1 f/cc Other: ____

Aggressive: Yes / (N/A) Boxfans: Yes / (N/A) Number: ____ Leafblower: Yes / (N/A)

Number of samples inside containment: N/A Number of samples outside containment: 4

Lead

Clearance criteria: EPA/HUD State Specific: ____ SPECIFICATIONS

Wipe sample location(s): ____

Clearance level: Floors: 40µg/ft² W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other: ____

Microbial

Sampling protocols: Spore traps: # and type ____ Surface swabs: # and type: ____

Culture plates: # and type: ____ Other: ____

Clearance criteria: (describe) ____

ARCADIS IH Representative: A Abbott ARCADIS IH Rep Signature: A Abbott

ARCADIS Checked by: ____

ARCADIS
Infrastructure · Water · Environment · Buildings

ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: EM011144.0031 Client: SMMUSD Date: 1-8-15

Building/Location Name: ELA / SM Project Address: 2425 Kansa

Specific Work Area Location: Excavation Pit (Former bldg pad)

Type/Quantity of Material to be Removed: Transite pipe ca 65 LF
Also 3 concrete footings with Transite pipe

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact *Yes* / *No* If No, describe:

NPE / Glovebag Smoke Tested: *Yes* / *No* N/A If deficiency, describe corrective action: N/A

AFUs functioning properly *Yes* / *No* N/A If No, describe: N/A

Appropriate Number of AFUs Functioning in Work Area: *Yes* / *No* N/A Number of AFUs in Work Area: N/A

Manometer Functioning Properly *Yes* / *No* N/A If No, describe:

Other Deficiencies Noted

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: *Yes* / *No* Amended Water Used: *Yes* / *No* HEPA Vacuums Used: *Yes* / *No*

Waste Bagged While Wet: *Yes* / *No* Bags Properly Labeled: *Yes* / *No* Bags Double Bagged: *Yes* / *No*

Waste Bags Stored at Work Area: *Yes* / *No* Storage Location of Waste Bags: In designated dumpster

Workers Using PPE at All Times: *Yes* / *No* If No, describe:

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: *Yes* / *No*

Workers Utilizing Hygiene Facilities: *Yes* / *No* If No, describe:

Negative Pressure Readings:

Time:	N/A				

Describe any deficiencies observed during work shift:

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: *Yes* / *No* If No, why:

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: *Yes* / *No* If Yes, describe:

Total Number of Bags/Drums of Waste Generated for the Shift 3 concrete footings with Transite pipe

Work Area Sealed and/or Secured at End of Shift: *Yes* / *No* / *NA* AFUs Remaining Operational: *Yes* / *No* / *NA*

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: *Yes* / *No*

Other Observations:

ARCADIS IH Representative: A Ach ARCADIS IH Rep Signature: A Ach

ARCADIS Checked by:

ARCADIS

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RECORD OF DAILY ACTIVITY

PROJECT:

ARCADIS PROJECT NUMBER: CM011144.0031

CLIENT: SMMUSD **ARCADIS PERSONNEL:** Art Ackerman

DATE: 1-8-15 **WORK LOCATION:** 2425 Kansas

TIME	Observations / Activities
0800	I am present at referenced work site. Matrix has same crew of 3 as yesterday
0900	Matrix takes off work areas
1000	Matrix takes out concrete footings (3 total) with transite pipe
1100	Matrix has footings at base of ACM dumpsters
1130	Matrix places footings inside ACM dumpsters and covers with poly sheeting. I take pictures
1210-1300	Crew breaks for lunch
1400	Crew has bobcat scooping up soil at W. end of excavation lot
1500	Crew continues soil investigation at West area
1545	Crew is at west south area. No new transite pipe is seen
1600	I do post visual of soil. It appears free of transite. Soil is put back in trenches. Gantry not allowed
1630	I take samples to CA Testing - Pasadena
1730	I drop off samples for 24hr rush testing
1945	I am at homesite

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

South Coast Air Quality Management District (www.aqmd.gov)
21865 Copley Drive, Diamond Bar, CA 91765-4182 Phone: (909)396-2336

Rule 1403 Form

Notification of Demolition or Asbestos Removal

[1] Fax these type of Notification Forms to **(909)396-3342** and mail the originals within 48 hrs

Mail Form and Fee To:
SCAQMD
Asbestos Notification File # 55641
Los Angeles, CA 90074-5641

Project Type	DEMOLITION ☐	DEMOLITION (Fire Training) ☐	ASBESTOS REMOVAL (Renovation) ☐	PLANNED RENO (Annual) ☐	[1]PROCEDURE 4 PLAN ☐	[1]PROCEDURE 5 PLAN ☑	**Project Urgency**	EMERGENCY ☑	ORDERED ☐
Notification Type	ORIGINAL ☑	[1]CANCELLATION ☐	[1]REVISION AMOUNT ☐	[1]REVISION DATES ☐	[1]REVISION OTHER ☐	#147118V			

Contractor Information: Notifications should be submitted by the contractor performing the project

CSLB License 860131 Cal. OSHA REG 08690 AQMD ID 149722 CHECK 8241 FEE $ 1,019.77 DATE 12/31/2014 PROJECT # 130997

Company Name

List Site Supervisor(s) — Phone

Address 2330 Cherry Industrial Circle — Marco Sanchez — (323) 842-5937

City Long Beach State CA Zip 90805 — JC Hernandez — (424) 222-3093

Completed by Lisa Powell Phone (562) 587-8163 — Cuauhtemoc Perez — (562) 733-9610

Site Information: Copies of this notification and the CAC asbestos survey report must be kept at the worksite during this project

Site Name Edison Language Academy

Site Address 2402 Virginia Ave Cross Street Cloverfield Blvd

Site City Santa Monica State CA Zip 90404 County Los Angeles

Site Owner SMMUSD Contact Terry Kamibayashi Phone (310) 450-8338

Owner Address 2828 Fouth St City Santa Monica State CA Zip 90405

Describe Work Remove ACM cement transite pipes in the soil of property

Describe Work Location (s) Former Building Pad

Removal Project Start Date 01/05/2015 Removal Project End Date 01/19/2015 Project Work Shift Day ◉ Swing ○ Night ○

[2]*BUILDING SIZE in sq ft* ____ Number of Floors ____ Building Age (Years) ____ Number of Buildings or Dwelling Units ____

Building Prior/ Present Use	SCHOOL	HOSPITAL	CONDO/APT	PUBLIC BLDG.	INDUSTRIAL	COMMERCIAL	OFFICE	UNI/COLLEGE	HOUSE	SHIP	OTHER
	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Required Building Information	ASBESTOS SURVEY?	ASBESTOS FOUND?	ASBESTOS REMOVED?	BUILDING TO BE DEMOLISHED?
	YES ◉ NO ○	YES ◉ NO ○	YES ○ NO ◉	YES ○ NO ◉

Asbestos Information: Do not provide this information in demolition notifications, see pg 2

Asbestos Amount to be Removed in sq ft	FRIABLE	CLASS I	CLASS II	[2]*TOTAL AMOUNT*
		250.00		250.00

Amount of Each Type of Asbestos in sq ft	ACOUSTIC CEILING	LINOLEUM	INSULATION	FIRE PROOFING	DUCTING	STUCCO	MASTIC	FLOOR TILES (VAT)

	DRYWALL	PLASTER	TRANSITE	ROOFING	OTHER	PLEASE DESCRIBE OTHER TYPE OF ASBESTOS:
			250.00			

Asbestos Removal From SURFACES ☐ PIPES ☑ COMPONENTS ☐

Asbestos Detection Procedures: Check the procedures and analytical methods used to determine the presence of asbestos in the building. See *Survey Checklist*

SURVEY ☑ BULK SAMPLING ☑ INSPECTION ☑ CAC ASSUMED AS ASBESTOS-PACM ☐ PLM ☑ PCM ☐ TEM ☐

Controls: Check the combination of Rule 1403 procedures used to control asbestos emissions. (Procedure 4 and 5 submit plans for AQMD prior approval)

PROCEDURE NUMBER 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☑

Emergency Asbestos Removal: Check the sudden unexpected event and attach a letter from the person affected by the emergency explaining how this event caused unsafe conditions, equipment damage or unreasonable financial burden. For disturbed/damaged asbestos materials see *Procedure 5 Guidelines*.

FIRE	FLOOD	WATER DAMAGE	EARTHQUAKE	NUISANCE	VANDALISM	HEALTH/SAFETY	FINANCIAL BURDEN	EQUIPMENT DAMAGE	OTHER
☐	☐	☐	☐	☐	☐	☐	☐	☐	During grading pipes exposed

Name of Person Declaring/ Authorizing the Emergency Terry Kamibayashi - Manager of Construction Phone (310) 450-8338 Date of Emergency 01/05/2015 Hour of Emergency ____

AQMD USE ONLY: SCREENED BY RECEIVED POSTMARKED ENTERED BY NOTIFICATION #

[2] Fees are per Notification and vary according to the [2]***TOTAL AMOUNT*** of asbestos removed or the demolition [2]***BUILDING SIZE***

© South Coast Air Quality Management District, Notification of Demolition or Asbestos Removal Form (2014.07)

South Coast Air Quality Management District (www.aqmd.gov)
21865 Copley Drive, Diamond Bar, CA 91765-4182 Phone: (909)396-2336

Rule 1403 Form
Notification of Demolition or Asbestos Removal

Mail Form and Fee To:
SCAQMD
Asbestos Notification File # 55641
Los Angeles, CA 90074-5641

Demolition Information: All asbestos containing materials must be removed *prior* to any demolition activity

Asbestos Removal Company Name _____ Date of Asbestos Removal _____

Check work practices to prevent, suppress and contain dust, and dust controls to be use at the demolition site

SPRAY WATER ☒ EXIT GRATES ☐ TARP TRUCKS/BINS ☒ FENCE SCREENS ☐ STONE TRUCK PADS ☐ TIRE WASHING ☐ SOIL STABILIZERS ☐ OTHER _____

Contingency Demolition Plan: Check actions to be followed if unexpected asbestos is found during demolition or asbestos material becomes disturbed, crumbled, pulverized or reduced to powder. Disturbed/Damaged ACM requires a Procedure 5 Plan Approval prior to clean-up (See *Procedure 5 Guidelines*)

STOP WORK ☒ NOTIFY OWNER ☒ SECURE ☒ STABILIZE ☒ POST SIGNS ☒ ISOLATE WORK AREA ☒ SURVEY ☒ CHARACTERIZE WASTE ☒ OTHER _____

Ordered Demolition: Attach a copy of the agency order

Agency Name _____ Phone _____ Date of Order _____

Authorizing Person _____ Title _____ Date Ordered to Begin _____

Waste Information

WASTE TRANSPORTER #1 BDC Services
Address 1211 W. Gladstone
City Azusa State CA Zip 91702

WASTE TRANSPORTER #2 _____
Address _____
City _____ State _____ Zip _____

WASTE STORAGE SITE Edison Elementary School
Address 2402 Virginia Ave
City Santa Monica State CA Zip 90404

LANDFILL Azusa
Address 1211 W. Gladstone
City Azusa State CA Zip 91702

Contractor Certification: All contractors or owner/operator submitting this notification must sign this form

I certify that an individual trained in the provisions of regulations AQMD *Rule 1403* and the *Asbestos NESHAP Title 40 CFR Part 61 Subpart M* will be on site during the demolition or renovation and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours. I hereby certify that all of the information contained herein and information submitted with this notification is true and correct.

Company Name Matrix Environmental, Inc. Title of Owner/Operator Vice President

Print Name of Owner/Operator Lisa Powell Signature of Owner/Operator _____ Date 12/31/2014

Notification Fee: No notifications shall be considered received pursuant to *Rule 1403*, unless it is accompanied by the required payment (*Rule 301*, Table VI). Please make check payable to "SCAQMD". Fees are per notification and vary according to the [2]***TOTAL AMOUNT*** of asbestos removed or the demolition [2]***BUILDING SIZE***. The Revision Amount fee is the difference between the new Project Size Fee category and the original Project Size Fee category (See *Fee Information*)

Project Size Fee: $ 57.18
Additional Fee: $ 962.59
Total Fee Due: $ 1,019.77

Fee Based on Project Size (sq ft)			Additional Fees		
1,000 or less	$ 57.18	☑	Special Handling Fee	$ 57.18	☐
1,001 to 5,000	$ 174.83	☐	Revision to Notification	$ 57.18	☐
5,001 to 10,000	$ 409.26	☐	Returned Check Fee	$ 25.00	☐
10,001 to 50,000	$ 641.73	☐	Planned Renovation	$ 641.73	☐
50,001 to 100,000	$ 930.03	☐	Procedure 4 or 5 Plan	$ 641.73	☑
100,001 or more	$ 1,550.04	☐	Expedited 4 or 5 Plan	$ 320.86	☑

Attention

Keep Three (3) Copies of This Notification Form for your records, **to post at the worksite,** and to obtain a city demolition permit. See *California Health and Safety Code 19827.5* that requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. Forms, instructions and *Rule 1403* can be obtained from the AQMD website at *http://www.aqmd.gov*. Please mail this signed original notification form, fee, and any attachments to SCAQMD Asbestos Notification File # 55641 Los Angeles, CA 90074-5641. Mailing saves time, money and reduces traffic and air pollution.

Project # 130997

© South Coast Air Quality Management District, Notification of Demolition or Asbestos Removal Form (2014.07)

ARCADIS
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PRE – ABATEMENT WORK AREA CHECKLIST

Project Number: EM011144.0031 Client: SMMOSD Date: 1-7-15

Building/Location Name: ELA ISM Project Address: 2485 Kansas

Specific Work Area Location: Excavation Pit (Loomer building Pad)

Type/Quantity of Material to be Removed: transite pipe/65 LF

WORK AREA ISOLATION:

Decontamination Chamber: ✓ 1-Stage N/A 2-Stage N/A 3-Stage Proper Airlocks: Yes / No N/A

Utility Shutdown: N/A HVAC System N/A Electricity N/A Gas Other:

Pre-cleaning of surfaces: Yes / No / (NA) If No or NA, describe why: Work area is open trench

Barrier Tape Used to Designate Work Area: (Yes) / No OSHA and State Signage: (Yes) / No State:

Critical Barriers: (Yes) / No ✓ Doors/Windows N/A Vents/HVAC N/A Floor Drains Other: N/A

Layers of Poly for Containment: N/A Walls 2 Floors N/A Ceilings N/A Unmovable Equipment

If no containment, describe isolation controls: barrier take

Negative Pressure Required: Yes / (No) Number of AFUs installed in work area: N/A Backup available: Yes / No N/A

Calculation of Required # of AFUs: N/A

Number of Air Changes per Hour: N/A Type of Manometer Used: N/A

HYGIENE FACILITIES

Shower Functional: (Yes) / No / NA If No or NA, describe hygiene facilities: wash station

Hygiene Facilities Clean and Sanitary: (Yes) / No Adequate Amount of Towels, Soap, etc.: (Yes) / No

Shower Has Separate Hot and Cold Water: Yes / (No) Shower Drain Has Proper 5 µM Filter: Yes / No N/A

Describe Hygiene Facilities Other Than Shower/Decontamination Chamber: wash station Nodesin

ABATEMENT PERSONNEL AND PERSONAL PROTECTIVE EQUIPMENT

Do workers have appropriate training, licenses, and medical records on-site (Yes) / No Records Reviewed (Yes) / No

NIOSH Approved Respirators: (Yes) / No If No, describe why:

Type of Respirators: ½ face APR Dual Use Cartridges: Yes / (No) If Yes, type:

Type of Coveralls: (Disposable) or Launderable Head Covering and foot/shoe coverlets: (Yes) / No

Other Types of PPE Required:

ARCADIS IH Representative: A Ack ARCADIS IH Rep Signature: A Ack

ARCADIS Checked by:

ARCADIS
Infrastructure · Water · Environment · Buildings

METHOD OF REMOVAL

Describe the method of removal, including specific tools used, special equipment such as glovebags, a Blastrac, Infra-red machines, bead blaster, Peel-A-Way, etc.

Bob cat dig out soil

Describe work engineering control practices that will be used during the removal process:

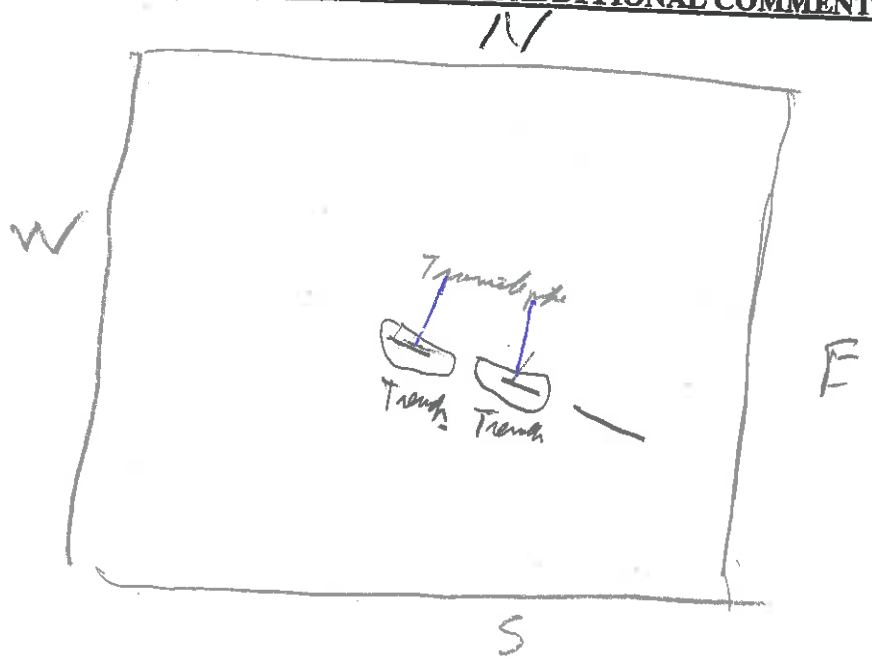
Amended water

Glovebags Used for Project: *Yes* / *No* G-bags Negative Pressure Supplied by: ___ HEPA Vacuum ___ HEPA AFU

Each G-bag Smoke Tested: *Yes* / *No* Drop Cloth Used: *Yes* / *No* 2 Workers per G-bag: *Yes* / *No*

More Than One G-bag Combined to Make a Larger G-bag: *Yes* / *No*

DRAWING OF ABATEMENT WORK AREA OR ADDITIONAL COMMENTS



PRE-ABATEMENT INSPECTION OF WORK AREA: *PASS* / *FAIL*

Corrective Actions Requested Prior to Approval:

ARCADIS IH Representative: A Ash ARCADIS IH Rep Signature: A Ash

ARCADIS Checked by:

ARCADIS
Infrastructure · Water · Environment · Buildings

ABATEMENT MONITORING FINAL INSPECTION

Project Number: EM011144.0031 Client: SMMUSD Date: 1-7-15

Building/Location Name: ELA/SM Project Address: 2425 Kenwood

Specific Work Area Location: Excavation Loc (corner bldg pad)

Type/Quantity of Material Removed: Transite Pipe / 65 LF

FINAL VISUAL INSPECTION

Visible debris: ✓ Pass ____ Fail If No, describe why: ____

Settled dust: ✓ Pass ____ Fail If No, describe why: ____

Work area dry: ✓ Pass ____ Fail If No, describe why: ____

Hand wipe: ✓ Pass ____ Fail If No, describe why: ____

Flashlight: ✓ Pass ____ Fail If No, describe why: ____

Corrective Actions Requested: ____

Work Area Final Visual Inspection: ✓ Pass ____ Fail

SEALANT

Is sealant a different color from substrate? (Yes) / No If No, describe why: ____

Are all exposed surfaces coated? (Yes) / No If No, describe why: ____

FINAL CLEARANCE

Asbestos

Clearance criteria: (AHERA) State Specific: ≤ 0.01 f/cc SPECIFICATIONS

Describe protocol: ____

Clearance level: (≤0.01 f/cc) ≤70 str/mm² 0.1 f/cc Other: ____

Aggressive: Yes N/A No Boxfans: Yes N/A No Number: N/A Leafblower: Yes / No N/A

Number of samples inside containment: N/A Number of samples outside containment: 4

Lead

Clearance criteria: EPA/HUD State Specific: ____ SPECIFICATIONS

Wipe sample location(s): ____

Clearance level: Floors: 40µg/ft² W. Sills: 250 µg/ft² W. Troughs: 400 µg/ft² Other: ____

Microbial

Sampling protocols: Spore traps: # and type ____ Surface swabs: # and type: ____

Culture plates: # and type: ____ Other: ____

Clearance criteria: (describe) ____

ARCADIS IH Representative: A Koch ARCADIS IH Rep Signature: A Koch

ARCADIS Checked by: ____

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ABATEMENT DAILY WORK PRACTICE OBSERVATIONS

Project Number: CM011144.0031 Client: SMMUSD Date: 1-7-15

Building/Location Name: ELA/SM Project Address: 2425 Kansas

Specific Work Area Location: Excavation Lot (former bldg pad)

Type/Quantity of Material to be Removed: Transite pipe / 65 LF

Initial Daily Inspection (NPE = Negative Pressure Enclosure; AFU = Air Filtration Unit)

NPE, Glovebags or Other Containment System Intact (Yes) / No If No, describe: _____

NPE / Glovebag Smoke Tested: Yes / No (NA) If deficiency, describe corrective action: N/A

AFUs functioning properly Yes / No (NA) If No, describe: N/A

Appropriate Number of AFUs Functioning in Work Area: Yes / No (NA) Number of AFUs in Work Area: N/A

Manometer Functioning Properly Yes / No (NA) If No, describe: _____

Other Deficiencies Noted _____

Daily Observations (HEPA = High Efficiency Particulate Air; PPE = Personal Protective Equipment)

Wet Methods Used: (Yes) / No Amended Water Used: (Yes) / No HEPA Vacuums Used: (Yes) / No

Waste Bagged While Wet: (Yes) / No Bags Properly Labeled: (Yes) / No Bags Double Bagged: (Yes) / No

Waste Bags Stored at Work Area: Yes / (No) Storage Location of Waste Bags: Loaded into designated dumpster

Workers Using PPE at All Times: (Yes) / No If No, describe: _____

Smoking, Eating, Drinking, Chewing Tobacco, or Applying Cosmetics in Work Area: Yes / (No)

Workers Utilizing Hygiene Facilities: (Yes) / No If No, describe: _____

Negative Pressure Readings:	N/A					
Time:	N/A					

Describe any deficiencies observed during work shift: _____

Final Daily Observations

All ACM/Lead/Microbial Contamination Removed as Part of the Scope of Work: (Yes) / No If No, why: _____

Any Remaining ACM/Lead/Microbial Contamination Within the Work Area: Yes / (No) If Yes, describe: _____

Total Number of Bags/Drums of Waste Generated for the Shift 12

Work Area Sealed and/or Secured at End of Shift: (Yes) / No / NA AFUs Remaining Operational: Yes / No / (NA)

Hygiene Facilities and Areas Outside Work Area Clean and Free of Clutter: (Yes) / No

Other Observations: _____

ARCADIS IH Representative: A Ack ARCADIS IH Rep Signature: A Ack

ARCADIS Checked by: _____

ARCADIS

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RECORD OF DAILY ACTIVITY

PROJECT:

ARCADIS PROJECT NUMBER: CM011144.0031

CLIENT: SMMUSD **ARCADIS PERSONNEL:** Art Ackerman

DATE: 1-7-15 **WORK LOCATION:** 2425 Kansas St, SM CA

TIME	Observations / Activities
0740	I am at site, I meet with supervisor Ramon Zuantara of Matrix. He has crew of 3 including himself. I check worker certs & notices. All is up to date
0930	Crew brings in small excavator & suits up with ½ face APR. A decon change station & barrier tape surround & trenches in south east area of site
0915	I do pre-start visual. Area passes inspection. Hose spray wetting & Hudson wetting is present.
1015	Crew finds about 5 more feet of transit pipe working east
1100	Pipe ends. Crew digs out about 10 more feet of soil & discovers pipe picks up again
1200	Crew uncovers another 40 feet of pipe - to the end of east investigation
1230	Crew now sets up to extend westward.
1350	Crew has reached 30 feet westward - no pipe is seen
1450	Crew is wrapping transite pipe into waste bags
1600	Crew is cleaning & securing work area
1640	All depart. Note I have done post visual of soil. I observed piece of transite.

PRELIMINARY SUBMITTAL SUBJECT TO FINAL REVIEW

Checked by: _____

ARCADIS

Attachment F

Site Photographs

EDISON LANGUAGE ACADEMY

Exterior view of negative pressure enclosure

Interior view of negative pressure enclosure; hallway between classrooms

Asbestos-Containing Vinyl Floor Tile Abated; Building B

View of air filtration device with HEPA filters

Worker Decontamination Chamber

Fenceline Air Monitoring Station

PCB Post-Abatement; Pipes Wrapped in Lined Waste Container Bin

PCB Containment at Building C for Window Caulking Abatement

PCB Window Caulking Post-Abatement at Building C

Asbestos Pipe In Soil Pre-Abatement

Soil Post-Abatement

Asbestos Pipe Wrapped in Poly and Place in Waste Bin

ARCADIS

Attachment G

Analytical Laboratory Results

OrderID: 321421473

Lead (Pb) Chain of Custody

LA Testing Order Number *(Lab Use Only)*: 321421473

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Company: Arcadis		**LA Testing-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments**	
Street: 3150 Schaufele Ave Suite 225		*Third Party Billing requires written authorization from third party*	
City: Long Beach	**State/Province:** CA	**Zip/Postal Code:** 90808	**Country:** USA
Report To (Name): Jeffery Johnson		**Fax #:** (562) 496-2452	
Telephone #: (714) 336-2745		**Email Address:** Jeffery.Johnson@arcadis-us.com	
Project Name/Number: Edison Language Academy			
Please Provide Results: ☐ Fax ☒ Email	**Purchase Order:**	**U.S. State Samples Taken:**	

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hours | ☐ 6 Hours | ☒ 24 Hours | ☐ 48 Hours | ☐ 3 Days | ☐ 4 Days | ☐ 1 Week | ☐ 2 Week

Analysis completed in accordance with LA Testing's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ mg/cm² ☐ % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%	☐
Air 4 LPM x 240 min = 960	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☒
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter	☐
Wipe* ☐ ASTM ☐ non ASTM *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe	☐
	SW846-6010B or C	ICP-AES	0.5 µg/wipe	☐
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	☐
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)	☐
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	☐
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	☐
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐

Other:	**Preservation Method (Water):**
Name of Sampler: Steven Sanchez	**Signature of Sampler:** Steven Sanchez

Sample #	Location	Volume/Area	Date/Time Sampled
1	E. End of Building B.	960	11/20/14 1800
2	S. End of Building B.	960	
3	W. End of Building B.	960	
4	N. End of Building B.	960	
5	SE End of Building K.	960	
6	NW End of Building K.	960	

Client Sample #'s 1-8 | **Total # of Samples:** 8

Relinquished (Client):	Steven Sanchez	**Date:**	11/20/14	**Time:**	1800
Received (Lab):	MG (WL)	**Date:**	11/20/14	**Time:**	6PM

Comments:

Controlled Document – Lead (Pb) COC – R2 – 6/13/2010

Lead (Pb) Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

321421473

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
7	(Downward Wind) NE end of campus.	960	11/20/14 1800
8	(Upward wind) SW end of campus.	960	↓

Comments/Special Instructions:

Controlled Document – Lead (Pb) COC – Rev. – 11/3/2010

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421473
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/20/14 6:00 PM
Collected:

Project: **Edison Language Academy**

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Volume*	*Lead* ***Concentration***
1	*321421473-0001*		11/21/2014	960 L	<4.2 µg/m³
	Site: E End of Building B				
2	*321421473-0002*		11/21/2014	960 L	<4.2 µg/m³
	Site: S End of Building B				
3	*321421473-0003*		11/21/2014	960 L	<4.2 µg/m³
	Site: W End of Building B				
4	*321421473-0004*		11/21/2014	960 L	<4.2 µg/m³
	Site: N End of Building B				
5	*321421473-0005*		11/21/2014	960 L	<4.2 µg/m³
	Site: SE End of Building R				
6	*321421473-0006*		11/21/2014	960 L	<4.2 µg/m³
	Site: NW End of Building R				
7	*321421473-0007*		11/21/2014	960 L	<4.2 µg/m³
	Site: (Downward wind) NE end of campus				
8	*321421473-0008*		11/21/2014	960 L	<4.2 µg/m³
	Site: (Upward wind) SW end of campus				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 4 µg/filter. OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA, unless specifically indicated otherwise in the comment section. Unless otherwise noted, results in this report are not blank corrected. The Laboratory is not responsible for data reported in µg/m³ which is dependent on volume collected by non-laboratory personnel. This report may not be reproduced execept in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 11/21/2014 12:01:34

ARCADIS
Infrastructure, Water, Environment, Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01)

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Client: SMMUSD Client Address: 2425 Kansas Ave Santa Monica, CA

Project Name: Edison Language Academy Collection Date: 11/21/14

Project #: Project Monitor: Steven Sanchez

Project Location: 2425 Kansas Ave Santa Monica, CA Rotameter # & Cal. Date: JCL-12 10/16/13

Work Area: BLDG B Microscope Number: 2F87627

Pass Phase Rings/HSE-NPL): N/A Reference Slide (No. and F/Fields): N/A

Checked by: Steven Sanchez Date: 11/21/14

Date of Analysis: 11/21/14

Microscope Cleaned: Yes

Analyst Signature: Steven Sanchez

NIOSH 7400 X Other:

Graticule Field Area: Yes

Sample #	Sample Location or	Sample Type	Sample Start/ Pump ID	Sample Stop	Time (Mins)	Rotometer Flow Rate (LPM)			Sample Volume (Liters)	LOD (fibers/cc)	Actual Count	Adjusted Count *	Result *	Analyst ID
(manufacturer number)	Worker Name / SSN / Task	(1-10)	hh:mm (military)	hh:mm (military)	[A]	Pre	Post	Ave [B]	A*B = [C]	(2.7 / C)	(F/Fields)	(F/Fields)	(F/mm²)/ (F/CC)	Initials
1	Field Blank										Ø			S.S.
2	Field Blank										Ø			S.S.
3	S. end of BLDG B	2	1130	1530	240	4	4	4	960	0.003	2		2.55	S.S.
											100		<0.003	
4	W. end of BLDG B	2	1131	1531	240	4	4	4	960	0.003	1		1.27	S.S.
											100		<0.003	
5	E. end of BLDG B	2	1132	1532	240	4	4	4	960	0.003	1		1.27	S.S.
											100		<0.003	
6	N. end of BLDG B	2	1133	1533	240	4	4	4	960	0.003	3		3.82	S.S.
											100	↓	<0.003	
6	Duplicate Analysis										3			SS
6	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * S/2 (or .225 if no S)											Pass/Fail	SS

*If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).

If **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments: N/A

Relinquished By: Steven Sanchez Date: 11/21/14 Received By: Date:

Chain of Custody

LATesting Order Number (Lab Use Only).

321421574

LATESTING
600 Anton Blvd
Suite [illegible], CA [illegible]
PHONE: (800) 368-0647
FAX: (323) 254-9832

Company: Arcadis	LATesting-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 3750 Schaufele Ave Suite 225	Third Party Billing requires written authorization from third party
City: Long Beach / State/Province: CA	Zip/Postal Code: 90808 / Country: USA
Report To (Name): Jeffery Johnson	Fax #: (562) 496-2452
Telephone #: (714) 336-2745	Email Address: Jeffery.Johnson@arcadis-us.com
Project Name/Number: Edison Language Academy	
Please Provide Results: ☐ Fax ☒ Email	Purchase Order: / U.S. State Samples Taken:

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 3 Day ☐ 4 Day ☐ 1 Week ☐ 2 Week

*For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ 8hr. TWA

TEM- Air ☐ 4-4.5hr TAT (AHERA ONLY)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Water
Fibers ≥10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

PLM - Bulk
- ☐ PLM EPA 600/R-93/116
- ☐ PLM EPA NOB (<1%)
- ☐ NYS 198 1 (friable-NY)
- ☐ NYS 198.6 (non-friable-NY)

Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/ Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

TEM - Dust
- ☐ Microvac – ASTM D 5755
- ☐ Wipe-ASTM D6480

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198 4 (non-friable-NY)
- ☐ Chatfield SOP

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 – A (0.25% sensitivity)
- ☐ PLM CARB 435 – B (0.1% sensitivity)
- ☐ TEM CARB 435 – B (0.1% sensitivity)
- ☐ EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
- ☐ Chips SW846-7000B or AOAC 974.02
- ☐ Soil SW846-7000B/7420
- ☒ Air NIOSH 7082
- ☐ Wastewater SM3111B or SW846-7000B/7420
- ☐ ASTM Wipe SW846-7000B/7420
- ☐ non ASTM Wipe SW846-7000B/7420
- ☐ TCLP SW846-1311/7420/SM 3111B

ICP
- ☐ Air NIOSH 7300 Modified
- ☐ non ASTM Wipe SW846-6010B or C
- ☐ ASTM Wipe SW846-6010B or C
- ☐ Soil SW846-6010 B or C
- ☐ Waste Water SW846-6010B or C
- ☐ TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
- ☐ Soil SW846-7421 ☐ Wastewater EPA 200.9
- ☐ Air NIOSH 7105 ☐ Drinking Water EPA 200 9

Other: ☐

Materials Science

- ☐ Common Particle ID (large particles)
- ☐ Full Particle ID (environmental dust)
- ☐ Basic Material ID (solids)
- ☐ Advanced Material ID
- ☐ Physical Testing (Tensile, Compression)
- ☐ Combustion-by-products (soot, char, etc.)
- ☐ X-Ray Fluorescence (elem. analysis)
- ☐ X-Ray Diffraction (Crystalline Part)
- ☐ MMVF's (Fibrous glass, RCF's)
- ☐ Particle Size (sieve/microscopy/laser)
- ☐ Combustible Dust
- ☐ Petrographic Examination

Other: ☐

Microbiology

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi Culture (Genus Only)
- ☐ Mold & Fungi Culture (Genus & Species)
- ☐ Bacterial Count & ID (Up to Three Types)
- ☐ Bacterial Count & ID (Up to Five Types)
- ☐ MRSA
- ☐ *Pseudomonas aeruginosa*

Water Samples
- ☐ Total Coliform & E.coli (P/A)
- ☐ Fecal Coliform (SM 9222D)
- ☐ Sewage Screen
- ☐ Heterotrophic Plate Count (SM 9215)

Air Samples
- ☐ Mold & Fungi (Spore Trap)
- ☐ Mold & Fungi Culture (Genus Only)
- ☐ Mold & Fungi (Genus & Species)
- ☐ Bacterial Culture & ID (Up to Three Types)
- ☐ Bacterial Culture & ID (Up to Five Types)
- ☐ Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code.

Legionella
☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

Other: ☐

IAQ

Nuisance Dust NIOSH ☐ 0500 ☐ 0600
Airborne Dust ☐ PM10 ☐ TSP
Silica Analysis ☐ All Species
Silica Analysis – Single Species
☐ Alpha Quartz ☐ Cristobalite ☐ Tridymite
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist

Other: ☐

****Comments/Special Instructions:**

Client Sample #'s: 1 - 8	Total # of Samples: 8
Relinquished (Client): Shawn Sanchez Date: 11/21/14	Time: 1530
Received (Lab): BFlowers (db) Date: 11/22/14	Time: 9am

Confidentiality Agreement/Chain of Custody

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

Lead (Pb) Chain of Custody

LA Testing Order Number (*Lab Use Only*):

3 2 1 4 2 1 5 7 4

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
1	N. End of BLDG H.	1920 (4LPM X 480MIN)	11/21/14 0630-1430
2	W. End of BLDG J.	↓	0630 - 1430
3	E. End OF BLDG D.	↓	0631 - 1431
4	N. End of School campus.	↓	0632 - 1432
5	E. End of BLDG A.	↓	0633 - 1433
6	S. End of ↓	↓	0634 - 1434
7	W. End OF ↓	↓	0635 - 1435
8	SE end OF School campus.	↓	0636 - 1436

Comments/Special Instructions:

Controlled Document - Lead (Pb) CoC ... - 7/19/20 : 0

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421574
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/22/14 9:00 AM
Collected: 11/21/2014

Project: **Edison Language Academy**

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Volume*	*Lead* ***Concentration***
1	*321421574-0001*	11/21/2014	11/24/2014	1920 L	<2.1 µg/m³
	Site: N. End of Bldg H				
2	*321421574-0002*	11/21/2014	11/24/2014	1920 L	<2.1 µg/m³
	Site: W. End of Bldg J				
3	*321421574-0003*	11/21/2014	11/24/2014	1920 L	<2.1 µg/m³
	Site: E. End of Bldg D				
4	*321421574-0004*	11/21/2014	11/24/2014	1920 L	<2.1 µg/m³
	Site: N End of School Campus				
5	*321421574-0005*	11/21/2014	11/24/2014	1920 L	<2.1 µg/m³
	Site: E. End of Bldg A				
6	*321421574-0006*	11/21/2014	11/24/2014	1920 L	<2.1 µg/m³
	Site: S. End of Bldg A				
7	*321421574-0007*	11/21/2014	11/24/2014	1920 L	<2.1 µg/m³
	Site: W. End of Bldg A				
8	*321421574-0008*	11/21/2014	11/24/2014	1920 L	<2.1 µg/m³
	Site: SE End of School Campus				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 4 µg/filter. OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA, unless specifically indicated otherwise in the comment section. Unless otherwise noted, results in this report are not blank corrected. The Laboratory is not responsible for data reported in µg/m³ which is dependent on volume collected by non-laboratory personnel. This report may not be reproduced execept in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 11/24/2014 12:42:51

Chain of Custody

LATesting Order Number (Lab Use Only):

321421575

LA Testing
[illegible]
Phone: (800) 303-0647
Fax: (323) 254-9982

Company: Arcadis		LATesting-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party	
Street: 3750 Schaufele Ave Suite 225			
City: Long Beach	State/Province: CA	Zip/Postal Code: 90808	Country: USA
Report To (Name): Jeffery Johnson		Fax #: (562) 496-2452	
Telephone #: (714) 336-2745		Email Address: Jeffery.Johnson@arcadis-us.com	
Project Name/Number: Edison Language Academy			
Please Provide Results: ☐ Fax ☒ Email	Purchase Order:	U.S. State Samples Taken:	

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 3 Day ☐ 4 Day ☐ 1 Week ☐ 2 Week

For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
☐ NIOSH 7400
☐ w/ 8hr. TWA

TEM - Air ☐ 4-4.5hr TAT (AHERA ONLY)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Water
Fibers ≥10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

PLM - Bulk
☐ PLM EPA 600/R-93/116
☐ PLM EPA NOB (<1%)
☐ NYS 198.1 (friable-NY)
☐ NYS 198 6 (non-friable-NY)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0 1%)
Point Count w/ Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)

TEM - Dust
☐ Microvac – ASTM D 5755
☐ Wipe-ASTM D6480

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP

Soil/Rock/Vermiculite
☐ PLM CARB 435 – A (0.25% sensitivity)
☐ PLM CARB 435 – B (0.1% sensitivity)
☐ TEM CARB 435 – B (0.1% sensitivity)
☐ EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
☐ Chips SW846-7000B or AOAC 974.02
☐ Soil SW846-7000B/7420
☐ Air NIOSH 7082
☐ Wastewater SM3111B or SW846-7000B/7420
☒ ASTM Wipe SW846-7000B/7420
☐ non ASTM Wipe SW846-7000B/7420
☐ TCLP SW846-1311/7420/SM 3111B

ICP
☐ Air NIOSH 7300 Modified
☐ non ASTM Wipe SW846-6010B or C
☐ ASTM Wipe SW846-6010B or C
☐ Soil SW846-6010 B or C
☐ Waste Water SW846-6010B or C
☐ TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
☐ Soil SW846-7421 ☐ Wastewater EPA 200.9
☐ Air NIOSH 7105 ☐ Drinking Water EPA 200.9

Other: ☐

Microbiology

Wipe and Bulk Samples
☐ Mold & Fungi – Direct Examination
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi Culture (Genus & Species)
☐ Bacterial Count & ID (Up to Three Types)
☐ Bacterial Count & ID (Up to Five Types)
☐ MRSA
☐ *Pseudomonas aeruginosa*

Water Samples
☐ Total Coliform & E.coli (P/A)
☐ Fecal Coliform (SM 9222D)
☐ Sewage Screen
☐ Heterotrophic Plate Count (SM 9215)

Air Samples
☐ Mold & Fungi (Spore Trap)
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi (Genus & Species)
☐ Bacterial Culture & ID (Up to Three Types)
☐ Bacterial Culture & ID (Up to Five Types)
☐ Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code:

Legionella
☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

Other: ☐

Materials Science

☐ Common Particle ID (large particles)
☐ Full Particle ID (environmental dust)
☐ Basic Material ID (solids)
☐ Advanced Material ID
☐ Physical Testing (Tensile, Compression)
☐ Combustion-by-products (soot, char, etc.)
☐ X-Ray Fluorescence (elem. analysis)
☐ X-Ray Diffraction (Crystalline Part.)
☐ MMVF's (Fibrous glass, RCF's)
☐ Particle Size (sieve/microscopy/laser)
☐ Combustible Dust
☐ Petrographic Examination
Other: ☐

IAQ

Nuisance Dust NIOSH ☐ 0500 ☐ 0600
Airborne Dust ☐ PM10 ☐ TSP
Silica Analysis: ☐ All Species
Silica Analysis – Single Species
☐ Alpha Quartz ☐ Cristobalite ☐ Tridymite
☐ HVAC Efficiency
☐ Carbon Black
☐ Airborne Oil Mist
Other: ☐

****Comments/Special Instructions:**

Client Sample #'s	1 - 10		Total # of Samples: 10
Relinquished (Client): [illegible]	Date: 11/21/14		Time: 0900
Received (Lab): [illegible]	Date: 11/23/14		Time: 9am

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

Lead (Pb) Chain of Custody

LA Testing Order Number (*Lab Use Only*):

321421575

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
1	BLDG B S. end of floor in Room 7	(Poly Plastic) 1'X1'	11/21/14 0900
2	SE end of floor in Room 8		
3	SW end of floor in Room 9		
4	S. end of floor in Room 10		
5	SE end of floor in Room 11		
6	BLDG K SE end of floor in Room 12		
7	BLDG H SW end of floor in Room 13		
8	BLDG J SE end of floor in Room 14		
9	BLDG D E. end of floor In Boys restroom Room 152		
10	SE end of floor in girl's restroom Room 150		

Comments/Special Instructions:

* All surfaces were on poly plastic *

Controlled Document – Lead (Pb) COC – R2 – 9/15/2010

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421575
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/23/14 9:00 AM
Collected: 11/21/2014

Project: **Edison Language Academy**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
1	*321421575-0001*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg B S. End of Floor in Room 7				
2	*321421575-0002*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg B SE End of Floor in Room 8				
3	*321421575-0003*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg B SW End of Floor in Room 9				
4	*321421575-0004*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg B S. End of Floor in Room 10				
5	*321421575-0005*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg B SE End of Floor in Room 11				
6	*321421575-0006*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg R SE End of Floor in Room 12				
7	*321421575-0007*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg H SW End of Floor in Room 13				
8	*321421575-0008*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg J SE End of Floor in Room 14				
9	*321421575-0009*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg D E. End of Floor in Boy's Restroom Room 152				
10	*321421575-0010*	11/21/2014	11/24/2014	144 in²	<10 µg/ft²
	Site: Bldg D SE End of Floor in Girls Restroom Room 150				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected . This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 11/24/2014 11:35:34

Chain of Custody

LATesting Order Number (Lab Use Only): 0331421083

LA TESTING
520 Mission Street
South Pasadena, CA 91030
Phone: (800) 303-0047
Fax: (323) 254-9982

Company: Arcadis		LATesting-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party	
Street: 3750 Schaefer Ave Suite 225			
City: Long Beach	State/Province: CA	Zip/Postal Code: 90808	Country: USA
Report To (Name): Jeffery Johnson		Fax #: (562) 496-2452	
Telephone #: (714) 336-2745		Email Address: jeffery.johnson@arcadis-us.com	
Project Name/Number: SMMUSD - ELA CM0111144-0031			
Please Provide Results: ☐ Fax ☒ Email	Purchase Order:	U.S. State Samples Taken:	

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☒ 24 Hour | ☐ 48 Hour | ☐ 3 Day | ☐ 4 Day | ☐ 1 Week | ☐ 2 Week

*For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
- ☒ NIOSH 7400
- ☐ w/ 8hr. TWA

TEM- Air ☐ 4-4.5hr TAT (AHERA ONLY)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Water
- Fibers ≥10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

PLM - Bulk
- ☐ PLM EPA 600/R-93/116
- ☐ PLM EPA NOB (<1%)
- ☐ NYS 198.1 (friable-NY)
- ☐ NYS 198.6 (non-friable-NY)
- Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- Point Count w/ Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

TEM - Dust
- ☐ Microvac – ASTM D 5755
- ☐ Wipe-ASTM D6480

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 – A (0.25% sensitivity)
- ☐ PLM CARB 435 – B (0.1% sensitivity)
- ☐ TEM CARB 435 – B (0.1% sensitivity)
- ☐ EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
- ☐ Chips SW846-7000B or AOAC 974.02
- ☐ Soil SW846-7000B/7420
- ☐ Air NIOSH 7082
- ☐ Wastewater SM3111B or SW846-7000B/7420
- ☐ ASTM Wipe SW846-7000B/7420
- ☐ non ASTM Wipe SW846-7000B/7420
- ☐ TCLP SW846-1311/7420/SM 3111B

ICP
- ☐ Air NIOSH 7300 Modified
- ☐ non ASTM Wipe SW846-6010B or C
- ☐ ASTM Wipe SW846-6010B or C
- ☐ Soil SW846-6010 B or C
- ☐ Waste Water SW846-6010B or C
- ☐ TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
- ☐ Soil SW846-7421 ☐ Wastewater EPA 200.9
- ☐ Air NIOSH 7105 ☐ Drinking Water EPA 200.9

Other: ☐

Microbiology

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi Culture (Genus Only)
- ☐ Mold & Fungi Culture (Genus & Species)
- ☐ Bacterial Count & ID (Up to Three Types)
- ☐ Bacterial Count & ID (Up to Five Types)
- ☐ MRSA
- ☐ *Pseudomonas aeruginosa*

Water Samples
- ☐ Total Coliform & E.coli (P/A)
- ☐ Fecal Coliform (SM 9222D)
- ☐ Sewage Screen
- ☐ Heterotrophic Plate Count (SM 9215)

Air Samples
- ☐ Mold & Fungi (Spore Trap)
- ☐ Mold & Fungi Culture (Genus Only)
- ☐ Mold & Fungi (Genus & Species)
- ☐ Bacterial Culture & ID (Up to Three Types)
- ☐ Bacterial Culture & ID (Up to Five Types)
- ☐ Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
- Code:

Legionella
- ☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

Other: ☐

Materials Science

- ☐ Common Particle ID (large particles)
- ☐ Full Particle ID (environmental dust)
- ☐ Basic Material ID (solids)
- ☐ Advanced Material ID
- ☐ Physical Testing (Tensile, Compression)
- ☐ Combustion-by-products (soot, char, etc.)
- ☐ X-Ray Fluorescence (elem. analysis)
- ☐ X-Ray Diffraction (Crystalline Part.)
- ☐ MMVF's (Fibrous glass, RCF's)
- ☐ Particle Size (sieve/microscopy/laser)
- ☐ Combustible Dust
- ☐ Petrographic Examination

Other: ☐

IAQ

- Nuisance Dust NIOSH ☐ 0500 ☐ 0600
- Airborne Dust ☐ PM10 ☐ TSP
- Silica Analysis: ☐ All Species
- Silica Analysis – Single Species
  - ☐ Alpha Quartz ☐ Cristobalite ☐ Tridymite
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist

Other: ☐

****Comments/Special Instructions:** See Attached COC -

Client Sample #'s	A3 - A8		Total # of Samples: 6
Relinquished (Client): Shawn Sanchez		Date: 11/24/14	Time:
Received (Lab): (WF)		Date: 11/25/14	Time: 5:20p

Submitted Documents\Chain-of-Custody\COC-12-01272010.doc

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

ARCADIS
Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2013-06-01)

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

0331421083

Client: SMMUSD Client Address: 1651 Sixteenth Street Santa Monica, CA 90404

Project Name: Edison Language Academy

Project #: CM01144-0031

Project Location: 2425 Kansas Ave Santa Monica, CA

Work Area: BLDG B CLASSROOMS 7-11.

Pass Phase Rings/HSE-NPL): Yes. Reference Slide (No. and F/Fields):

Collection Date: 11/24/14

Project Monitor: Steven Sanchez

Rotameter # & Cal. Date: JY-12 10/16/13

Microscope Number:

Checked by: Date:

Date of Analysis:

Microscope Cleaned:

Analyst Signature:

NIOSH 7400 Other:

Graticule Field Area:

Sample # (manufacturer number)	Sample Location or Worker Name / SSN / Task	Sample Type (1-10)	Sample Start/ Pump ID hh:mm (military)	Sample Stop hh:mm (military)	Time (Mins) [A]	Rotometer Flow Rate (LPM) Pre	Post	Ave [B]	Sample Volume (Liters) A*B = [C]	LOD (fibers/cc) (2.7 / C)	Actual Count (F/Fields)	Adjusted Count * (F/Fields)	Result * (F/mm^2)/ (F/CC)	Analyst ID Initials
A-1	Field Blank													
A-2	Field Blank													
A-3	S. end of BLDG B	2	0800	1530	450	4	4	4	1800					
A-4	W. end of BLDG B	2	0800	1530	450	4	4	4	1800					
A-5	N. end of BLDG B	2	0801	1531	450	4	4	4	1800					
A-6	E. end of BLDG B	2	0801	1531	450	4	4	4	1800					
A-7	E. end of campus	2	1000	1530	330	4	4	4	1320					
A-8	NE end of campus	2	1001	1530	330	4	4	4	1320					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm^2)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)]≤ 2.77 * (Avg of the sq Root of the two counts) * $S_r/2$ (or .225 if no S_r)												Pass/Fail

*If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).

If **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments:

Relinquished By: Steven Sanchez Date: 11/24/14

Received By: Date:

Page 2 of 2.

OrderID: 331421083

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com gardengrovelab@latesting.cc

LA Testing Order: 331421083
CustomerID: ACAD78AK
CustomerPO: CM011144-0031
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/25/14 5:20 PM
Analysis Date: 11/26/2014
Collected: 11/24/2014

Project: **SMMUSD-ELA / CM011144-0031**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
A-3 *331421083-0001*	S end of bldg B	11/24/2014	1800.00	<5.5	100	0.001	<7.0	<0.001	
A-4 *331421083-0002*	W end of bldg B	11/24/2014	1800.00	<5.5	100	0.001	<7.0	<0.001	
A-5 *331421083-0003*	N end of bldg B	11/24/2014	1800.00	<5.5	100	0.001	<7.0	<0.001	
A-6 *331421083-0004*	E end of bldg B	11/24/2014	1800.00	<5.5	100	0.001	<7.0	<0.001	
A-7 *331421083-0005*	E end of campus	11/24/2014	1320.00	<5.5	100	0.002	<7.0	<0.002	
A-8 *331421083-0006*	NE end of campus	11/24/2014	1320.00	<5.5	100	0.002	<7.0	<0.002	

No discernable field blanks submitted with this sample set.

Analyst(s)

Jeffrey Deboo (6)

Michael DeCavallas, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.52, 21-50 fibers = 0.31, 51-100 fibers = 0.22. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in acceptable condition unless otherwise noted.

Samples analyzed by LA Testing Garden Grove, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from 11/26/2014 09:00:42

321421718

Chain of Custody

LATesting Order Number *(Lab Use Only)*:

LATESTING
520 MISSION STREET
SOUTH PASADENA, CA 91030
PHONE: (800) 303-0647
FAX: (323) 254-0082

Company: Arcadis	LATesting-Bill to: [X] Same [ ] Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party
Street: 3750 Schaufele Ave Suite 225	
City: Long Beach State/Province: CA	Zip/Postal Code: 90808 Country: CA
Report To (Name): Jeffery Johnson	Fax #: (562) 496-2452
Telephone #: (714) 496-2452	Email Address: Jeffery.Johnson@arcadis-us.com
Project Name/Number: Edison Language Academy	
Please Provide Results: [ ] Fax [X] Email	Purchase Order: U.S. State Samples Taken:

Turnaround Time (TAT) Options* - Please Check

[ ] 3 Hour [ ] 6 Hour [X] 24 Hour [ ] 48 Hour [ ] 3 Day [ ] 4 Day [ ] 1 Week [ ] 2 Week

For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
- [ ] NIOSH 7400
- [ ] w/ 8hr. TWA

TEM- Air [ ] 4-4.5hr TAT (AHERA ONLY)
- [ ] AHERA 40 CFR, Part 763
- [ ] NIOSH 7402
- [ ] EPA Level II
- [ ] ISO 10312

TEM - Water
Fibers ≥10µm [ ] Waste [ ] Drinking
All Fiber Sizes [ ] Waste [ ] Drinking

PLM - Bulk
- [ ] PLM EPA 600/R-93/116
- [ ] PLM EPA NOB (<1%)
- [ ] NYS 198.1 (friable-NY)
- [ ] NYS 198.6 (non-friable-NY)

Point Count [ ] 400 (<0.25%) [ ] 1000 (<0.1%)
Point Count w/ Gravimetric [ ] 400 (<0.25%) [ ] 1000 (<0.1%)

TEM - Dust
- [ ] Microvac – ASTM D 5755
- [ ] Wipe-ASTM D6480

TEM - Bulk
- [ ] TEM EPA NOB
- [ ] NYS NOB 198.4 (non-friable-NY)
- [ ] Chatfield SOP

Soil/Rock/Vermiculite
- [ ] PLM CARB 435 – A (0.25% sensitivity)
- [ ] PLM CARB 435 – B (0.1% sensitivity)
- [ ] TEM CARB 435 – B (0.1% sensitivity)
- [ ] EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
- [ ] Chips SW846-7000B or AOAC 974.02
- [ ] Soil SW846-7000B/7420
- [X] Air NIOSH 7082
- [ ] Wastewater SM3111B or SW846-7000B/7420
- [ ] ASTM Wipe SW846-7000B/7420
- [ ] non ASTM Wipe SW846-7000B/7420
- [ ] TCLP SW846-1311/7420/SM 3111B

ICP
- [ ] Air NIOSH 7300 Modified
- [ ] non ASTM Wipe SW846-6010B or C
- [ ] ASTM Wipe SW846-6010B or C
- [ ] Soil SW846-6010 B or C
- [ ] Waste Water SW846-6010B or C
- [ ] TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
- [ ] Soil SW846-7421 [ ] Wastewater EPA 200.9
- [ ] Air NIOSH 7105 [ ] Drinking Water EPA 200.9

Other: [ ]

Microbiology

Wipe and Bulk Samples
- [ ] Mold & Fungi – Direct Examination
- [ ] Mold & Fungi Culture (Genus Only)
- [ ] Mold & Fungi Culture (Genus & Species)
- [ ] Bacterial Count & ID (Up to Three Types)
- [ ] Bacterial Count & ID (Up to Five Types)
- [ ] MRSA
- [ ] *Pseudomonas aeruginosa*

Water Samples
- [ ] Total Coliform & E.coli (P/A)
- [ ] Fecal Coliform (SM 9222D)
- [ ] Sewage Screen
- [ ] Heterotrophic Plate Count (SM 9215)

Air Samples
- [ ] Mold & Fungi (Spore Trap)
- [ ] Mold & Fungi Culture (Genus Only)
- [ ] Mold & Fungi (Genus & Species)
- [ ] Bacterial Culture & ID (Up to Three Types)
- [ ] Bacterial Culture & ID (Up to Five Types)
- [ ] Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code:

Legionella
[ ] Level 1 [ ] Level 2 [ ] Level 3 [ ] Level 4

Other: [ ]

Materials Science

- [ ] Common Particle ID (large particles)
- [ ] Full Particle ID (environmental dust)
- [ ] Basic Material ID (solids)
- [ ] Advanced Material ID
- [ ] Physical Testing (Tensile, Compression)
- [ ] Combustion-by-products (soot, char, etc.)
- [ ] X-Ray Fluorescence (elem. analysis)
- [ ] X-Ray Diffraction (Crystalline Part.)
- [ ] MMVF's (Fibrous glass, RCF's)
- [ ] Particle Size (sieve/microscopy/laser)
- [ ] Combustible Dust
- [ ] Petrographic Examination

Other: [ ]

IAQ

Nuisance Dust NIOSH [ ] 0500 [ ] 0600
Airborne Dust [ ] PM10 [ ] TSP
Silica Analysis: [ ] All Species
Silica Analysis – Single Species
[ ] Alpha Quartz [ ] Cristobalite [ ] Tridymite
- [ ] HVAC Efficiency
- [ ] Carbon Black
- [ ] Airborne Oil Mist

Other: [ ]

****Comments/Special Instructions:**

Client Sample #'s	C1 - 6 - 6		Total # of Samples:
Relinquished (Client): Jillian Fancher	Date: 11/24/14		Time: 1600
Received (Lab):	Date: 11/25/14		Time: 8a

Common Documents\Chain-B2...

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

Page 1 of 2. 11/25/14 12:32

Lead (Pb) Chain of Custody

LA Testing Order Number (*Lab Use Only*): 321421718

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
L-1	E. end of BLDG A.	1920	11/24/14 1600
L-2	S. end of BLDG A.	1920	
L-3	W. end of BLDG A.	1920	
L-4	N. end of BLDG A.	1920	
L-5	NW end of campus.	1920	
L-6	S. end of campus.	1920	

Comments/Special Instructions:

4 LPM x 480 min

Controlled Document – Lead (Pb) COC – R2 – 8/13/2010

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421718
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/25/14 8:00 AM
Collected:

Project: **EDISON LANGUAGE ACADEMY**

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Volume*	*Lead* ***Concentration***
L-1	*321421718-0001*		11/25/2014	1920 L	<2.1 µg/m³
	Site: E END OF BLDG A				
L-2	*321421718-0002*		11/25/2014	1920 L	<2.1 µg/m³
	Site: S END OF BLDG A				
L-3	*321421718-0003*		11/25/2014	1920 L	<2.1 µg/m³
	Site: W END OF BLDG A				
L-4	*321421718-0004*		11/25/2014	1920 L	<2.1 µg/m³
	Site: N END OF BLDG A				
L-5	*321421718-0005*		11/25/2014	1920 L	<2.1 µg/m³
	Site: NW END OF CAMPUS				
L-6	*321421718-0006*		11/25/2014	1920 L	<2.1 µg/m³
	Site: S END OF CAMPUS				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 4 µg/filter. OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA, unless specifically indicated otherwise in the comment section. Unless otherwise noted, results in this report are not blank corrected. The Laboratory is not responsible for data reported in µg/m³ which is dependent on volume collected by non-laboratory personnel. This report may not be reproduced execept in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 11/25/2014 16:13:29

Chain of Custody

LATesting Order Number (Lab Use Only): 0331421084

LATESTING
520 Mission Street
[illegible] 1030
PHONE: (800) 303-0047
FAX: (323) 254-9982

Company: Arcadis		LATesting-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party	
Street: 3750 Schaufele Ave Suite 225			
City: Long Beach	State/Province: CA	Zip/Postal Code: 90808	Country: CA
Report To (Name): Jeffery Johnson		Fax #: (562) 496-2452	
Telephone #: (714) 336-2745		Email Address: Jeffery-Johnson@arcadis-us.com	
Project Name/Number: SMMUSD - ELA		CN011144-0031	
Please Provide Results: ☐ Fax ☒ Email	Purchase Order:	U.S. State Samples Taken:	

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☒ 24 Hour | ☐ 48 Hour | ☐ 3 Day | ☐ 4 Day | ☐ 1 Week | ☐ 2 Week

For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
☒ NIOSH 7400
☐ w/ 8hr. TWA

TEM- Air ☐ 4-4.5hr TAT (AHERA ONLY)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Water
Fibers ≥10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

PLM - Bulk
☐ PLM EPA 600/R-93/116
☐ PLM EPA NOB (<1%)
☐ NYS 198.1 (friable-NY)
☐ NYS 198.6 (non-friable-NY)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/ Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)

TEM - Dust
☐ Microvac – ASTM D 5755
☐ Wipe-ASTM D6480

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP

Soil/Rock/Vermiculite
☐ PLM CARB 435 – A (0.25% sensitivity)
☐ PLM CARB 435 – B (0.1% sensitivity)
☐ TEM CARB 435 – B (0.1% sensitivity)
☐ EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
☐ Chips SW846-7000B or AOAC 974.02
☐ Soil SW846-7000B/7420
☐ Air NIOSH 7082
☐ Wastewater SM3111B or SW846-7000B/7420
☐ ASTM Wipe SW846-7000B/7420
☐ non ASTM Wipe SW846-7000B/7420
☐ TCLP SW846-1311/7420/SM 3111B

ICP
☐ Air NIOSH 7300 Modified
☐ non ASTM Wipe SW846-6010B or C
☐ ASTM Wipe SW846-6010B or C
☐ Soil SW846-6010 B or C
☐ Waste Water SW846-6010B or C
☐ TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
☐ Soil SW846-7421 ☐ Wastewater EPA 200.9
☐ Air NIOSH 7105 ☐ Drinking Water EPA 200.9

Other: ☐

Microbiology

Wipe and Bulk Samples
☐ Mold & Fungi – Direct Examination
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi Culture (Genus & Species)
☐ Bacterial Count & ID (Up to Three Types)
☐ Bacterial Count & ID (Up to Five Types)
☐ MRSA
☐ *Pseudomonas aeruginosa*

Water Samples
☐ Total Coliform & E.coli (P/A)
☐ Fecal Coliform (SM 9222D)
☐ Sewage Screen
☐ Heterotrophic Plate Count (SM 9215)

Air Samples
☐ Mold & Fungi (Spore Trap)
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi (Genus & Species)
☐ Bacterial Culture & ID (Up to Three Types)
☐ Bacterial Culture & ID (Up to Five Types)
☐ Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code:

Legionella
☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

Other: ☐

Materials Science

☐ Common Particle ID (large particles)
☐ Full Particle ID (environmental dust)
☐ Basic Material ID (solids)
☐ Advanced Material ID
☐ Physical Testing (Tensile, Compression)
☐ Combustion-by-products (soot, char, etc.)
☐ X-Ray Fluorescence (elem. analysis)
☐ X-Ray Diffraction (Crystalline Part.)
☐ MMVF's (Fibrous glass, RCF's)
☐ Particle Size (sieve/microscopy/laser)
☐ Combustible Dust
☐ Petrographic Examination

Other: ☐

IAQ

Nuisance Dust NIOSH ☐ 0500 ☐ 0600
Airborne Dust ☐ PM10 ☐ TSP
Silica Analysis: ☐ All Species
Silica Analysis – Single Species
☐ Alpha Quartz ☐ Cristobalite ☐ Tridymite
☐ HVAC Efficiency
☐ Carbon Black
☐ Airborne Oil Mist

Other: ☐

****Comments/Special Instructions:**

See ATTACHED COC

Client Sample #'s	A3 - A-16		Total # of Samples: 14
Relinquished (Client): Steven Sanchez		Date: 11/25/14	Time:
Received (Lab): [illegible] (NT)		Date: 11/25/14	Time: 5:20p

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

ARCADIS
Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2/13/2014)

0331421084

Page 1 of 2

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Client: SMMUSD Client Address: 1651 16th Street Santa Monica, CA 90404

Project Name: Edison Language Academy Collection Date: 11/25/14

Project #: CM011144.0031 Project Monitor: Steven Sanchez

Project Location: 2425 Kansas Ave Santa Monica, CA Rotameter # & Cal. Date: JCJ-12 10/16/13

Work Area: BLDG B Classrooms 7-11 & BLDG H&R &J- Microscope Number:

Pass Phase Rings/HSE-NPL): _____ Reference Slide (No. and F/Fields): _____

Checked by: _____ Date: _____

Date of Analysis: _____

Microscope Cleaned: _____

Analyst Signature: _____

NIOSH 7400 _____ Other: _____

Graticule Field Area: _____

Sample # (manufacturer number)	Sample Location or Worker Name / SSN / Task	Sample Type (1-10)	Sample Start/ Pump ID hh:mm (military)	Sample Stop hh:mm (military)	Time (Mins) [A]	Rotometer Flow Rate (LPM) Pre	Post	Ave [B]	Sample Volume (Liters) A*B = [C]	LOD (fibers/cc) (2.7 / C)	Actual Count (F/Fields)	Adjusted Count * (F/Fields)	Result * (F/mm²)/ (F/CC)	Analyst ID Initials
A-1	Field Blank										/			
A-2	Field Blank										/			
A-3	S. end of BLDG H&R Walk way.	2	0700	1500	480	2.5	2.5	2.5	1200					
A-4	W. end of BLDG H.	2	0701	1501	480	2.5	2.5	2.5	1200					
A-5	N. end of BLDG H&R Walk way	2	0702	1502	480	2.5	2.5	2.5	1200					
A-6	E. end of BLDG R.	2	0703	1503	480	2.5	2.5	2.5	1200					
A-7	NE end of campus.	2	0704	1504	480	2.5	2.5	2.5	1200					
A-8	SE end of campus.	2	0705	1505	480	2.5	2.5	2.5	1200					
A-9	SW end of campus.	2	0706	1506	480	2.5	2.5	2.5	1200					
A-10	NW end of campus	2	0706	1507	480	2.5	2.5	2.5	1200					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)]≤ 2.77 * (Avg of the sq Root of the two counts) * S_r/2 (or .225 if no S_r)											Pass/Fail	

f **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).

f **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments: _____

Relinquished By: Steven Sanchez Date: 11/25/14 Received By: _____ Date: _____

Page 2 of 3

Page 2 Of 3
OrderID: 331421084

ARCADIS
Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01)

0331421084 Page 2 of 2

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Client: SMMUSD Client Address: 1651 16th Street Santa Monica, CA 90404

Project Name: Edison Language Academy Collection Date: 11/25/14

Project #: CA011144.0031 Project Monitor: Steven Sanchez

Project Location: 2425 Kansas Ave Santa Monica, CA Rotameter # & Cal. Date: SKC-12 10/16/13

Work Area: BLDG B CLASSROOMS 7-11 Microscope Number: _____

Pass Phase Rings/HSE-NPL): _____ Reference Slide (No. and F/Fields): _____

Checked by: _____ Date: _____

Date of Analysis: _____

Microscope Cleaned: _____

Analyst Signature: _____

NIOSH 7400 _____ Other: _____

Graticule Field Area: _____

Sample # (manufacturer number)	Sample Location or Worker Name / SSN / Task	Sample Type (1-10)	Sample Start / Pump ID hh:mm (military)	Sample Stop hh:mm (military)	Time (Mins) [A]	Rotometer Flow Rate (LPM) Pre	Post	Ave [B]	Sample Volume (Liters) A*B = [C]	LOD (fibers/cc) (2.7 / C)	Actual Count (F/Fields)	Adjusted Count * (F/Fields)	Result * (F/mm²)/(F/CC)	Analyst ID Initials
—	Field Blank										—			
—	Field Blank										—			
A-11	Center of BLDG B Walk way.	8	0945	1115	90	14	14	14	1260					
A-12	Center of Classroom #11	8	0946	1116	90	14	14	14	1260					
A-13	Center of Classroom #10	8	0947	1117	90	14	14	14	1260					
A-14	Center of Classroom #9	8	0948	1118	90	14	14	14	1260					
A-15	Center of Classroom #8	8	0949	1119	90	14	14	14	1260					
A-16	Center of Classroom #7	8	0950	1120	90	14	14	14	1260					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * S_r/2 (or .225 if no S_r)											Pass/Fail	

If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).

If **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments: _____

Relinquished By: Steven Sanchez Date: 11/25/14 Received By: _____ Date: _____

Page 3 of 3

OrderID: 331421084

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com gardengrovelab@latesting.cc

LA Testing Order: 331421084
CustomerID: ACAD78AK
CustomerPO: CMO011144-0031
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/25/14 5:20 PM
Analysis Date: 11/26/2014
Collected: 11/25/2014

Project: **SMMUSD - ELA / CMO011144-0031**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes
A-3 *331421084-0001*	S end of bldg H&R walk way	11/25/2014	1200.00	<5.5	100	0.002	<7.0	<0.002	
A-4 *331421084-0002*	W end of bldg H	11/25/2014	1200.00	<5.5	100	0.002	<7.0	<0.002	
A-5 *331421084-0003*	N end of bldg	11/25/2014	1200.00	<5.5	100	0.002	<7.0	<0.002	
A-6 *331421084-0004*	E end of bldg R	11/25/2014	1200.00	<5.5	100	0.002	<7.0	<0.002	
A-7 *331421084-0005*	NE end of campus	11/25/2014	1200.00	<5.5	100	0.002	<7.0	<0.002	
A-8 *331421084-0006*	SE end of campus	11/25/2014	1200.00	<5.5	100	0.002	<7.0	<0.002	
A-9 *331421084-0007*	SW end of campus	11/25/2014	1200.00	<5.5	100	0.002	<7.0	<0.002	
A-10 *331421084-0008*	NW end of campus	11/25/2014	1200.00	<5.5	100	0.002	<7.0	<0.002	
A-11 *331421084-0009*	Center of bldg B walk way	11/25/2014	1260.00	<5.5	100	0.002	<7.0	<0.002	
A-12 *331421084-0010*	Center of classroom 11	11/25/2014	1260.00	<5.5	100	0.002	<7.0	<0.002	

Analyst(s)

Jeffrey Deboo (14)

Michael DeCavallas, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.52, 21-50 fibers = 0.31, 51-100 fibers = 0.22. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in acceptable condition unless otherwise noted.

Samples analyzed by LA Testing Garden Grove, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from 11/26/2014 09:34:41

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com gardengrovelab@latesting.cc

LA Testing Order: 331421084
CustomerID: ACAD78AK
CustomerPO: CMO011144-0031
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/25/14 5:20 PM
Analysis Date: 11/26/2014
Collected: 11/25/2014

Project: **SMMUSD - ELA / CMO011144-0031**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
A-13	Center of classroom 10	11/25/2014	1260.00	<5.5	100	0.002	<7.0	<0.002	
331421084-0011									
A-14	Center of classroom 9	11/25/2014	1260.00	<5.5	100	0.002	<7.0	<0.002	
331421084-0012									
A-15	Center of classroom 8	11/25/2014	1260.00	<5.5	100	0.002	<7.0	<0.002	
331421084-0013									
A-16	Center of classroom 7	11/25/2014	1260.00	<5.5	100	0.002	<7.0	<0.002	
331421084-0014									

No discernable field blanks submitted with this sample set.

Analyst(s)

Jeffrey Deboo (14)

Michael DeCavallas, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.52, 21-50 fibers = 0.31, 51-100 fibers = 0.22. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in acceptable condition unless otherwise noted.

Samples analyzed by LA Testing Garden Grove, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from 11/26/2014 09:34:41

Chain of Custody

LATesting Order Number (Lab Use Only): 321421887

LATESTING
520 MISSION STREET
SOUTH PASADENA, CA 91030
PHONE (800) 303-0017
FAX (323) 254-9982

Company: Arcadis	LATesting-Bill to: [X] Same [ ] Different If Bill to is Different note instructions in Comments**
Street: 3750 Schaufele Ave Suite 225	Third Party Billing requires written authorization from third party
City: Long Beach / State/Province: CA	Zip/Postal Code: 90808 / Country: CA
Report To (Name): Jeffery Johnson	Fax #: (562) 496-2452
Telephone #: (714) 336-2745	Email Address: Jeffery.Johnson@arcadis-us.com
Project Name/Number: SMMUSD ELA CM011144.0031	
Please Provide Results: [ ] Fax [X] Email	Purchase Order: / U.S. State Samples Taken:

Turnaround Time (TAT) Options* - Please Check

[ ] 3 Hour [ ] 6 Hour [X] 24 Hour [ ] 48 Hour [ ] 3 Day [ ] 4 Day [ ] 1 Week [ ] 2 Week

*For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
- [ ] NIOSH 7400
- [ ] w/ 8hr. TWA

TEM- Air [ ] 4-4.5hr TAT (AHERA ONLY)
- [ ] AHERA 40 CFR, Part 763
- [ ] NIOSH 7402
- [ ] EPA Level II
- [ ] ISO 10312

TEM - Water
Fibers ≥10µm [ ] Waste [ ] Drinking
All Fiber Sizes [ ] Waste [ ] Drinking

PLM - Bulk
- [ ] PLM EPA 600/R-93/116
- [ ] PLM EPA NOB (<1%)
- [ ] NYS 198.1 (friable-NY)
- [ ] NYS 198.6 (non-friable-NY)

Point Count [ ] 400 (<0.25%) [ ] 1000 (<0.1%)
Point Count w/ Gravimetric [ ] 400 (<0.25%) [ ] 1000 (<0.1%)

TEM - Dust
- [ ] Microvac – ASTM D 5755
- [ ] Wipe-ASTM D6480

TEM - Bulk
- [ ] TEM EPA NOB
- [ ] NYS NOB 198.4 (non-friable-NY)
- [ ] Chatfield SOP

Soil/Rock/Vermiculite
- [ ] PLM CARB 435 – A (0.25% sensitivity)
- [ ] PLM CARB 435 – B (0.1% sensitivity)
- [ ] TEM CARB 435 – B (0.1% sensitivity)
- [ ] EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
- [ ] Chips SW846-7000B or AOAC 974.02
- [ ] Soil SW846-7000B/7420
- [X] Air NIOSH 7082
- [X] Wastewater SM3111B or SW846-7000B/7420
- [X] ASTM Wipe SW846-7000B/7420
- [ ] non ASTM Wipe SW846-7000B/7420
- [ ] TCLP SW846-1311/7420/SM 3111B

ICP
- [ ] Air NIOSH 7300 Modified
- [ ] non ASTM Wipe SW846-6010B or C
- [ ] ASTM Wipe SW846-6010B or C
- [ ] Soil SW846-6010 B or C
- [ ] Waste Water SW846-6010B or C
- [ ] TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
- [ ] Soil SW846-7421 [ ] Wastewater EPA 200.9
- [ ] Air NIOSH 7105 [ ] Drinking Water EPA 200.9

Other: [ ]

Microbiology

Wipe and Bulk Samples
- [ ] Mold & Fungi – Direct Examination
- [ ] Mold & Fungi Culture (Genus Only)
- [ ] Mold & Fungi Culture (Genus & Species)
- [ ] Bacterial Count & ID (Up to Three Types)
- [ ] Bacterial Count & ID (Up to Five Types)
- [ ] MRSA
- [ ] *Pseudomonas aeruginosa*

Water Samples
- [ ] Total Coliform & E.coli (P/A)
- [ ] Fecal Coliform (SM 9222D)
- [ ] Sewage Screen
- [ ] Heterotrophic Plate Count (SM 9215)

Air Samples
- [ ] Mold & Fungi (Spore Trap)
- [ ] Mold & Fungi Culture (Genus Only)
- [ ] Mold & Fungi (Genus & Species)
- [ ] Bacterial Culture & ID (Up to Three Types)
- [ ] Bacterial Culture & ID (Up to Five Types)
- [ ] Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code:

Legionella
[ ] Level 1 [ ] Level 2 [ ] Level 3 [ ] Level 4

Other: [ ]

Materials Science

- [ ] Common Particle ID (large particles)
- [ ] Full Particle ID (environmental dust)
- [ ] Basic Material ID (solids)
- [ ] Advanced Material ID
- [ ] Physical Testing (Tensile, Compression)
- [ ] Combustion-by-products (soot, char, etc.)
- [ ] X-Ray Fluorescence (elem. analysis)
- [ ] X-Ray Diffraction (Crystalline Part.)
- [ ] MMVF's (Fibrous glass, RCF's)
- [ ] Particle Size (sieve/microscopy/laser)
- [ ] Combustible Dust
- [ ] Petrographic Examination

Other: [ ]

IAQ

Nuisance Dust NIOSH [ ] 0500 [ ] 0600
Airborne Dust [ ] PM10 [ ] TSP
Silica Analysis: [ ] All Species
Silica Analysis – Single Species
[ ] Alpha Quartz [ ] Cristobalite [ ] Tridymite
- [ ] HVAC Efficiency
- [ ] Carbon Black
- [ ] Airborne Oil Mist

Other: [ ]

****Comments/Special Instructions:** See Attached COCs

Client Sample #'s	LW-1 - AT10	Total # of Samples:	20
Relinquished (Client):	Date: 11/26/14	Time:	1600
Received (Lab):	Date: 11/26/14	Time:	5:20

Condition Upon Receipt: [ ] OK [ ] Chilled [ ] Ambient [ ] Frozen [ ] Other

Analysis Complete In Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

Lead (Pb) Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

321421887

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
LW-1	BLDG F Floor S. end of classroom.	1'X1' (poly plastic)	11/26/14 1600
LW-2	BLDG A Floor E. end of cafeteria		
LW-3	W. end of cafeteria		
LW-4	S. end of Room 121		
LW-5	SE end of Kitchen		
LW-6	W. end of Room 122B		
LW-7	W. end of Room 126	(ceramic tile)	
LW-8	W. end of Room 125		
LW-9	SW end of Room 127	(poly plastic)	
LW-10	SW end of Room 128		
A-1	Field Blank	N/A	11/26/14 1600
A-2	Field Blank	N/A	
A-3	S. end of BLDG F.	1200	
A-4	W. end of BLDG F.	1200	
A-5	N. end of BLDG F.	1200	
A-6	S. end of BLDG Q	1200	
A-7	E. end of BLDG Q.	1200	
A-8	SE end of School Campus	1200	

Comments/Special Instructions:

Samples = A-1 – A-10 2.5 LPM X 480 min = 1200

Lead (Pb) Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

321421887

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
A-9	NE end OF School campus	1200	11/26/14 1600
A-10	SW end OF School campus	1200	↓ ↓

Comments/Special Instructions:

Samples: A-1 – A-10 25 LPM X 480 min = 1200

Page 3 of 3 pages

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421887
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/26/14 5:20 PM
Collected:

Project: **SMMUSD ELIA CM011144.0031**

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Volume*	*Lead Concentration*
A-1	*321421887-0011*		11/28/2014	0 L	<4.0 µg/filter
	Site: FIELD BLANK				
A-2	*321421887-0012*		11/28/2014	0 L	<4.0 µg/filter
	Site: FIELD BLANK				
A-3	*321421887-0013*		11/28/2014	1200 L	<3.3 µg/m³
	Site: S. END OF BLDG F				
A-4	*321421887-0014*		11/28/2014	1200 L	<3.3 µg/m³
	Site: W END OF BLDG F				
A-5	*321421887-0015*		11/28/2014	1200 L	<3.3 µg/m³
	Site: N END OF BLDG F				
A-6	*321421887-0016*		11/28/2014	1200 L	<3.3 µg/m³
	Site: S END OF BLDG Q				
A-7	*321421887-0017*		11/28/2014	1200 L	<3.3 µg/m³
	Site: E END OF BLDG Q				
A-8	*321421887-0018*		11/28/2014	1200 L	<3.3 µg/m³
	Site: SE END OF SCHOOL CAMPUS				
A-9	*321421887-0019*		11/28/2014	1200 L	<3.3 µg/m³
	Site: NE END OF SCHOOL CAMPUS				
A-10	*321421887-0020*		11/28/2014	1200 L	<3.3 µg/m³
	Site: SW END OF SCHOOL CAMPUS				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 4 µg/filter. OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA, unless specifically indicated otherwise in the comment section. Unless otherwise noted, results in this report are not blank corrected. The Laboratory is not responsible for data reported in µg/m³ which is dependent on volume collected by non-laboratory personnel. This report may not be reproduced execept in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 11/28/2014 13:54:08

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421887
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/26/14 5:20 PM
Collected:

Project: **SMMUSD ELIA CM011144.0031**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
LW-1	*321421887-0001*		11/28/2014	144 in²	<10 µg/ft²
	Site: BLDG F FLOOR S. END OF CLASSROOM				
LW-2	*321421887-0002*		11/28/2014	144 in²	<10 µg/ft²
	Site: BDLG A FLOOR E. END OF CAFETERIA				
LW-3	*321421887-0003*		11/28/2014	144 in²	<10 µg/ft²
	Site: BLDG A FLOOR W END OF CAFETERIA				
LW-4	*321421887-0004*		11/28/2014	144 in²	<10 µg/ft²
	Site: BLDG A S END OF KITCHEN				
LW-5	*321421887-0005*		11/28/2014	144 in²	<10 µg/ft²
	Site: BLDG A W. END OF ROOM 122B				
LW-6	*321421887-0006*		11/28/2014	144 in²	<10 µg/ft²
	Site: BLDG A W END OF ROOM 122B				
LW-7	*321421887-0007*		11/28/2014	144 in²	<10 µg/ft²
	Site: BLDG A W END OF ROOM 126				
LW-8	*321421887-0008*		11/28/2014	144 in²	<10 µg/ft²
	Site: BLDG A W END OF ROOM 125				
LW-9	*321421887-0009*		11/28/2014	144 in²	<10 µg/ft²
	Site: BLDG A FLOOR SW END OF ROOM 127				
LW-10	*321421887-0010*		11/28/2014	144 in²	<10 µg/ft²
	Site: BLDG A FLOOR SW END OF ROOM 128				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected . This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 11/28/2014 13:54:08

Chain of Custody

LATesting Order Number *(Lab Use Only)*: **0331421181**

LATESTING
11652 KNOTT AVENUE, UNIT F5
GARDEN GROVE, CA 92841
PHONE: (800) 755-1794
FAX: (714) 828-4944

Company: Arcadis		LATesting-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments**	
Street: 3750 Schaefer Ave Suite 225		Third Party Billing requires written authorization from third party	
City: Long Beach	State/Province: CA	Zip/Postal Code: 90808	Country:
Report To (Name): Jeffery Johnson		Fax #: 862-496-2452	
Telephone #: 714-336-2745		Email Address:	
Project Name/Number:			
Please Provide Results: ☐ Fax ☒ Email	Purchase Order:	U.S. State Samples Taken:	

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 3 Day ☐ 4 Day ☐ 1 Week ☐ 2 Week

**For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability*

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
☒ NIOSH 7400
☐ w/ 8hr. TWA

TEM- Air ☐ 4-4.5hr TAT (AHERA ONLY)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Water
Fibers ≥10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

PLM - Bulk
☐ PLM EPA 600/R-93/116
☐ PLM EPA NOB (<1%)
☐ NYS 198.1 (friable-NY)
☐ NYS 198.6 (non-friable-NY)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/ Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)

TEM - Dust
☐ Microvac – ASTM D 5755
☐ Wipe-ASTM D6480

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP

Soil/Rock/Vermiculite
☐ PLM CARB 435 – A (0.25% sensitivity)
☐ PLM CARB 435 – B (0.1% sensitivity)
☐ TEM CARB 435 – B (0.1% sensitivity)
☐ EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
☐ Chips SW846-7000B or AOAC 974.02
☐ Soil SW846-7000B/7420
☐ Air NIOSH 7082
☐ Wastewater SM3111B or SW846-7000B/7420
☐ ASTM Wipe SW846-7000B/7420
☐ non ASTM Wipe SW846-7000B/7420
☐ TCLP SW846-1311/7420/SM 3111B

ICP
☐ Air NIOSH 7300 Modified
☐ non ASTM Wipe SW846-6010B or C
☐ ASTM Wipe SW846-6010B or C
☐ Soil SW846-6010 B or C
☐ Waste Water SW846-6010B or C
☐ TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
☐ Soil SW846-7421 ☐ Wastewater EPA 200.9
☐ Air NIOSH 7105 ☐ Drinking Water EPA 200.9

Other: ☐

Materials Science

☐ Common Particle ID (large particles)
☐ Full Particle ID (environmental dust)
☐ Basic Material ID (solids)
☐ Advanced Material ID
☐ Physical Testing (Tensile, Compression)
☐ Combustion-by-products (soot, char, etc.)
☐ X-Ray Fluorescence (elem. analysis)
☐ X-Ray Diffraction (Crystalline Part.)
☐ MMVF's (Fibrous glass, RCF's)
☐ Particle Size (sieve/microscopy/laser)
☐ Combustible Dust
☐ Petrographic Examination
Other: ☐

Microbiology

Wipe and Bulk Samples
☐ Mold & Fungi – Direct Examination
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi Culture (Genus & Species)
☐ Bacterial Count & ID (Up to Three Types)
☐ Bacterial Count & ID (Up to Five Types)
☐ MRSA
☐ *Pseudomonas aeruginosa*

Water Samples
☐ Total Coliform & E.coli (P/A)
☐ Fecal Coliform (SM 9222D)
☐ Sewage Screen
☐ Heterotrophic Plate Count (SM 9215)

Air Samples
☐ Mold & Fungi (Spore Trap)
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi (Genus & Species)
☐ Bacterial Culture & ID (Up to Three Types)
☐ Bacterial Culture & ID (Up to Five Types)
☐ Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code:

Legionella
☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

Other: ☐

IAQ

Nuisance Dust NIOSH ☐ 0500 ☐ 0600
Airborne Dust ☐ PM10 ☐ TSP
Silica Analysis: ☐ All Species
Silica Analysis – Single Species
☐ Alpha Quartz ☐ Cristobalite ☐ Tridymite
☐ HVAC Efficiency
☐ Carbon Black
☐ Airborne Oil Mist
Other: ☐

****Comments/Special Instructions:**

Client Sample #'s: A1 - A15			Total # of Samples: 15
Relinquished (Client):	Date: 11/24/14		Time: 5:15 pm
Received (Lab): (WF)	Date: 11/26/14		Time: 5:20p

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

ARCADIS
Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-04)

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

033142 1181

Page 1 of 2

Client: SMMUSD | Client Address: 1651 16th Street Santa Monica, CA 90404

Project Name: Edison Language Academy | Collection Date: 11/26/14

Project #: CA011144.0031 | Project Monitor: Steven Sanchez

Project Location: 2425 Kansas Ave Santa Monica, CA | Rotameter # & Cal. Date: SKJ - 10/16/13

Work Area: BLDG H, R, J, F & Q | Microscope Number:

Pass Phase Rings/HSE-NPL): | Reference Slide (No. and F/Fields):

Checked by: | Date:

Date of Analysis:

Microscope Cleaned:

Analyst Signature:

NIOSH 7400 | Other:

Graticule Field Area:

Sample #	Sample Location or	Sample Type	Sample Start/ Pump ID	Sample Stop	Time (Mins)	Rotometer Flow Rate (LPM)			Sample Volume (Liters)	LOD (fibers/cc)	Actual Count	Adjusted Count *	Result *	Analyst ID
(manufacturer number)	Worker Name / SSN / Task	(1-10)	hh:mm (military)	hh:mm (military)	[A]	Pre	Post	Ave [B]	A*B = [C]	(2.7 / C)	(F/Fields)	(F/Fields)	(F/mm²)/ (F/CC)	Initials
A-1	Field Blank													
A-2	Field Blank													
A-3	Center of walkway between BLDG H & R	8	0930	1100	90	14	14	14	1260					
A-4	Center of BLDG H	8	0931	1101	90	14	14	14	1260					
A-5	Center of BLDG R	8	0932	1102	90	14	14	14	1260					
A-6	center of BLDG J	8	0933	1103	90	14	14	14	1260					
A-7	center of BLDG F	8	1330	1500	90	14	14	14	1260					
A-8	S. end of BLDG Q	2	1100	1530	240	2.5	2.5	2.5	600					
A-9	E. end of BLDG Q	2	1101	1531	240	2.5	2.5	2.5	600					
A-10	N. end of BLDG Q	2	1102	1532	240	2.5	2.5	2.5	600					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)]≤ 2.77 * (Avg of the sq Root of the two counts) * S_r/2 (or .225 if no S_r)											Pass/Fail	

*If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).

If **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments:

Relinquished By: Steven Sanchez | Date: 11/26/14 | Received By: | Date:

OrderID: 331421181 Page 2 of 3

ARCADIS
Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01)

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Client: SMMUSD Client Address: 1651 16th St Santa Monica, CA 90404

Project Name: Edison Language Academy Collection Date: 11/26/14

Project #: CA011144-0031 Project Monitor: Steven Sanchez

Project Location: 2425 Kansas Ave Santa Monica, CA Rotameter # & Cal. Date: JJ - 10/16/13

Work Area: Bldg H, R, J, F & Q Microscope Number:

Pass Phase Rings/HSE-NPL): Reference Slide (No. and F/Fields):

Checked by: Date:

Date of Analysis:

Microscope Cleaned:

Analyst Signature:

NIOSH 7400 Other:

Graticule Field Area:

Sample #	Sample Location or	Sample Type	Sample Start/ Pump ID	Sample Stop	Time (Mins)	Rotometer Flow Rate (LPM)			Sample Volume (Liters)	LOD (fibers/cc)	Actual Count	Adjusted Count *	Result *	Analyst ID
(manufacturer number)	Worker Name / SSN / Task	(1-10)	hh:mm (military)	hh:mm (military)	[A]	Pre	Post	Ave [B]	A*B = [C]	(2.7 / C)	(F/Fields)	(F/Fields)	(F/mm²)/ (F/CC)	Initials
—	Field Blank													
—	Field Blank													
A-11	N. end of Bldg Q.	2	1103	1533	240	2.5	2.5	2.5	600					
A-12	NE end of School campus	2	1104	1534	240	2.5	2.5	2.5	600					
A-13	SE end of School campus	2	1105	1535	240	2.5	2.5	2.5	600					
A-14	NW end of School campus	2	1106	1536	240	2.5	2.5	2.5	600					
A-15	SW end of School campus	2	1107	1537	240	2.5	2.5	2.5	600					
* Bldg A Visual Clearance passed, Fire rated Asbestos Door removed from Door hinges, no Debris noted *														
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)]≤ 2.77 * (Avg of the sq Root of the two counts) * S_r/2 (or .225 if no S_r)											Pass/Fail	

*If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).

If **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments:

Relinquished By: Steven Sanchez Date: 11/26/14 Received By: Date:

OrderID: 331421181

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com gardengrovelab@latesting.cc

LA Testing Order: 331421181
CustomerID: ACAD78AK
CustomerPO: CM011144-0031
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/26/14 5:20 PM
Analysis Date: 11/28/2014
Collected: 11/26/2014

Project: **SMMUSD Edison Language Academy**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes
A-1 *331421181-0001*	Field blank	11/26/2014		<5.5	100		<7.01		Field Blank
A-2 *331421181-0002*	Field blank	11/26/2014		<5.5	100		<7.01		Field Blank
A-3 *331421181-0003*	Center of walkway between bldg H&R	11/26/2014	1260.00	9	100	0.002	11.5	0.004	
A-4 *331421181-0004*	Center of bldg H	11/26/2014	1260.00	<5.5	100	0.002	<7.01	<0.002	
A-5 *331421181-0005*	Center of bldg R	11/26/2014	1260.00	6	100	0.002	7.64	0.002	
A-6 *331421181-0006*	Center of bldg J	11/26/2014	1260.00	<5.5	100	0.002	<7.01	<0.002	
A-7 *331421181-0007*	Center of bldg F	11/26/2014	1260.00	13	100	0.002	16.6	0.005	
A-8 *331421181-0008*	S end of bldg F	11/26/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-9 *331421181-0009*	E end of bldg Q	11/26/2014	600.00	6	100	0.004	7.64	0.005	
A-10 *331421181-0010*	N end of bldg Q	11/26/2014	600.00	<5.5	100	0.004	<7.01	<0.005	

Analyst(s)

Christopher Miranda (15)

Michael DeCavallas, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.52, 21-50 fibers = 0.31, 51-100 fibers = 0.22. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in acceptable condition unless otherwise noted.

Samples analyzed by LA Testing Garden Grove, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from 11/28/2014 14:39:27

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com gardengrovelab@latesting.cc

LA Testing Order: 331421181
CustomerID: ACAD78AK
CustomerPO: CM011144-0031
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 11/26/14 5:20 PM
Analysis Date: 11/28/2014
Collected: 11/26/2014

Project: **SMMUSD Edison Language Academy**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
A-11 *331421181-0011*	W end of bldg Q	11/26/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-12 *331421181-0012*	NE end of school campus	11/26/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-13 *331421181-0013*	SE end of school campus	11/26/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-14 *331421181-0014*	NW end of school campus	11/26/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-15 *331421181-0015*	SW end of school campus	11/26/2014	600.00	<5.5	100	0.004	<7.01	<0.005	

The results reported have been blank corrected as applicable.

Analyst(s)

Christopher Miranda (15)

Michael DeCavallas, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.52, 21-50 fibers = 0.31, 51-100 fibers = 0.22. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in acceptable condition unless otherwise noted.

Samples analyzed by LA Testing Garden Grove, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from 11/28/2014 14:39:27

THIS IS THE LAST PAGE OF THE REPORT.

Chain of Custody

LATesting Order Number (Lab Use Only):

321421977

PHONE (800) 566-LATT
FAX (323) 254-9622

Company: Arcadis		LATesting-Bill to: [X] Same [ ] Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party	
Street: 3750 Schaefer Ave Suite 225			
City: Long Beach	State/Province: CA	Zip/Postal Code: 90808	Country: USA
Report To (Name): Jeffery Johnson		Fax #: (562) 496-2452	
Telephone #: (714) 336-2745		Email Address: Jeffery.Johnson@arcadis-us.com	
Project Name/Number: ELA CMA1144.0031			
Please Provide Results: [ ] Fax [X] Email	Purchase Order:	U.S. State Samples Taken:	

Turnaround Time (TAT) Options* - Please Check

[ ] 3 Hour | [ ] 6 Hour | [X] 24 Hour | [ ] 48 Hour | [ ] 3 Day | [ ] 4 Day | [ ] 1 Week | [ ] 2 Week

For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
- [X] NIOSH 7400
- [ ] w/ 8hr. TWA

TEM- Air [ ] 4-4.5hr TAT (AHERA ONLY)
- [ ] AHERA 40 CFR, Part 763
- [ ] NIOSH 7402
- [ ] EPA Level II
- [ ] ISO 10312

TEM - Water
Fibers ≥10µm [ ] Waste [ ] Drinking
All Fiber Sizes [ ] Waste [ ] Drinking

PLM - Bulk
- [ ] PLM EPA 600/R-93/116
- [ ] PLM EPA NOB (<1%)
- [ ] NYS 198 1 (friable-NY)
- [ ] NYS 198.6 (non-friable-NY)

Point Count [ ] 400 (<0.25%) [ ] 1000 (<0.1%)
Point Count w/ Gravimetric [ ] 400 (<0.25%) [ ] 1000 (<0.1%)

TEM - Dust
- [ ] Microvac – ASTM D 5755
- [ ] Wipe-ASTM D6480

TEM - Bulk
- [ ] TEM EPA NOB
- [ ] NYS NOB 198.4 (non-friable-NY)
- [ ] Chatfield SOP

Soil/Rock/Vermiculite
- [ ] PLM CARB 435 – A (0.25% sensitivity)
- [ ] PLM CARB 435 – B (0.1% sensitivity)
- [ ] TEM CARB 435 – B (0.1% sensitivity)
- [ ] EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
- [ ] Chips SW846-7000B or AOAC 974.02
- [ ] Soil SW846-7000B/7420
- [X] Air NIOSH 7082
- [ ] Wastewater SM3111B or SW846-7000B/7420
- [ ] ASTM Wipe SW846-7000B/7420
- [ ] non ASTM Wipe SW846-7000B/7420
- [ ] TCLP SW846-1311/7420/SM 3111B

ICP
- [ ] Air NIOSH 7300 Modified
- [ ] non ASTM Wipe SW846-6010B or C
- [ ] ASTM Wipe SW846-6010B or C
- [ ] Soil SW846-6010 B or C
- [ ] Waste Water SW846-6010B or C
- [ ] TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
- [ ] Soil SW846-7421
- [ ] Wastewater EPA 200.9
- [ ] Air NIOSH 7105
- [ ] Drinking Water EPA 200.9

Other: [ ]

Microbiology

Wipe and Bulk Samples
- [ ] Mold & Fungi – Direct Examination
- [ ] Mold & Fungi Culture (Genus Only)
- [ ] Mold & Fungi Culture (Genus & Species)
- [ ] Bacterial Count & ID (Up to Three Types)
- [ ] Bacterial Count & ID (Up to Five Types)
- [ ] MRSA
- [ ] *Pseudomonas aeruginosa*

Water Samples
- [ ] Total Coliform & E coli (P/A)
- [ ] Fecal Coliform (SM 9222D)
- [ ] Sewage Screen
- [ ] Heterotrophic Plate Count (SM 9215)

Air Samples
- [ ] Mold & Fungi (Spore Trap)
- [ ] Mold & Fungi Culture (Genus Only)
- [ ] Mold & Fungi (Genus & Species)
- [ ] Bacterial Culture & ID (Up to Three Types)
- [ ] Bacterial Culture & ID (Up to Five Types)
- [ ] Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code:

Legionella
[ ] Level 1 [ ] Level 2 [ ] Level 3 [ ] Level 4

Other: [ ]

Materials Science

- [ ] Common Particle ID (large particles)
- [ ] Full Particle ID (environmental dust)
- [ ] Basic Material ID (solids)
- [ ] Advanced Material ID
- [ ] Physical Testing (Tensile, Compression)
- [ ] Combustion-by-products (soot, char, etc.)
- [ ] X-Ray Fluorescence (elem. analysis)
- [ ] X-Ray Diffraction (Crystalline Part.)
- [ ] MMVF's (Fibrous glass, RCF's)
- [ ] Particle Size (sieve/microscopy/laser)
- [ ] Combustible Dust
- [ ] Petrographic Examination

Other: [ ]

IAQ

Nuisance Dust NIOSH [ ] 0500 [ ] 0600
Airborne Dust [ ] PM10 [ ] TSP
Silica Analysis: [ ] All Species
Silica Analysis – Single Species
[ ] Alpha Quartz [ ] Cristobalite [ ] Tridymite
- [ ] HVAC Efficiency
- [ ] Carbon Black
- [ ] Airborne Oil Mist

Other: [ ]

****Comments/Special Instructions:**

Client Sample #'s	ELA-4 – ELA ATR 4		Total # of Samples: 11
Relinquished (Client):	Date: 12/1/14		Time:
Received (Lab):	Date: 12/1/14		Time: 6pm

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

ARCADIS
Infrastructure · Water · Environment · Buildings

LEAD
~~ASBESTOS~~ AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01) 321421977

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Page ___ of ___

Client: ~~SMMUSD~~ SMMUSD Client Address: 2425 Kansas Ave, Santa Monica, CA

Checked by: _____ Date: 11/29/14

Project Name: EDISON ABATEMENT
Project #: CM011144.0051
Project Location: ~~Berkeley~~
Work Area: BUILDINGS P, N, + G
Pass Phase Rings/HSE-NPL): _____

Collection Date: 11/29/14
Project Monitor: HSIN CHOU / PHIL SKORGE
Rotameter # & Cal. Date: _____
Microscope Number: _____
Reference Slide (No. and F/Fields): _____

Date of Analysis: _____
Microscope Cleaned: _____
Analyst Signature: _____
NIOSH 7400 _____ Other: _____
Graticule Field Area: _____

Sample #	Sample Location or	Sample Type	Sample Start/ Pump ID	Sample Stop	Time (Mins)	Rotometer Flow Rate (LPM)			Sample Volume (Liters)	LOD (fibers/cc)	Actual Count	Adjusted Count *	Result *	Analyst ID
(manufacturer number)	Worker Name / SSN / Task	(1-10)	hh:mm (military)	hh:mm (military)	[A]	Pre	Post	Ave [B]	A*B = [C]	(2.7 / C)	(F/Fields)	(F/Fields)	(F/mm²)/ (F/CC)	Initials
ELA-L5-112914	Field Blank													
	Field Blank													
ELA-L1-112914	Fence line - northeast	7	1050	1538	288	2.0	2.0	2.0	576					
ELA-L2-112914	Fence line - southeast	7	1052	1539	287	2.0	2.0	2.0	574					
ELA-L3-112914	Court yard - outside area of lead work	7	1055	1541	286	2.0	2.0	2.0	572					
ELA-L4-112914	Fence line - south	7	1100	1543	283	2.0	1.9	1.95	552					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * $S_r/2$ (or .225 if no S_r)											Pass/Fail	

*If Adjusted Count is less than or equal to 5 Fibers/100 Fields, then report Result as < *LOD* in f/cc (the value in the LOD column).
If original analysis and QC analysis results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments: _____

Relinquished By: _____ Date: 11/29/14 Received By: _____ Date: _____

OrderID: 321421977

ARCADIS
Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01)

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Client: SMMUSD Client Address: 2425 Kansas Ave, Santa Monica, CA

Checked by: _____ Date: _____

Project Name: EDISON ABATEMENT
Project #: CMO 11144.0031
Project Location: _____
Work Area: BUILDINGS P, N, & G
Pass Phase Rings/HSE-NPL): _____

Collection Date: 11/20/14
Project Monitor: HSLA CHOU / PHIL SIKORGE
Rotameter # & Cal. Date: _____
Microscope Number: _____
Reference Slide (No. and F/Fields): _____

Date of Analysis: _____
Microscope Cleaned: _____
Analyst Signature: _____
NIOSH 7400 _____ Other: _____
Graticule Field Area: _____

Sample #	Sample Location or	Sample Type	Sample Start/ Pump ID	Sample Stop	Time (Mins)	Rotometer Flow Rate (LPM)			Sample Volume (Liters)	LOD (fibers/cc)	Actual Count	Adjusted Count *	Result *	Analyst ID
(manufacturer number)	Worker Name / SSN / Task	(1-10)	hh:mm (military)	hh:mm (military)	[A]	Pre	Post	Ave [B]	A*B = [C]	(2.7 / C)	(F/Fields)	(F/Fields)	(F/mm²)/ (F/CC)	Initials
ELA-AIR5 -112914	Field Blank													
ELA-AIR6 -112914	Field Blank													
ELA-AIR1 -112914	Outside Bldg P - eastern portion	7	10:42	15:08	266	2.4	2.4	2.4	638					
ELA-AIR2 -112914	Outside Bldg P - southern portion	7	10:45	15:09	264	2.4	2.4	2.4	634					
ELA-AIR3 -112914	outside Bldg P - western portion	7	10:46	15:10	265	2.4	2.6	2.5	663					
ELA-AIR4 -112914	outside Bldg P - northern portion	7	10:48	15:11	263	2.4	2.4	2.4	631					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * $S_r/2$ (or .225 if no S_r)											Pass/Fail	

*If Adjusted Count is less than or equal to 5 Fibers/100 Fields, then report Result as < *LOD* in f/cc (the value in the LOD column).
If original analysis and QC analysis results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments: _____

Relinquished By: _____ Date: 11/21/14 Received By: _____ Date: _____

OrderID: 321421977

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421977
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 12/01/14 6:00 PM
Collected:

Project: **ELA CM011144.0031**

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Volume*	*Lead* ***Concentration***
ELA-L5-112914	*321421977-0001*		12/2/2014	0 L	<4.0 µg/filter
	Site: Field Blank				
ELA-L1-112914	*321421977-0002*		12/2/2014	576 L	<6.9 µg/m³
	Site: Fence line-northeast				
ELA-L2-112914	*321421977-0003*		12/2/2014	574 L	<7.0 µg/m³
	Site: Fence line-southeast				
ELA-L3-112914	*321421977-0004*		12/2/2014	572 L	<7.0 µg/m³
	Site: Courtyard-outside area of lead work				
ELA-L4-112914	*321421977-0005*		12/2/2014	552 L	<7.2 µg/m³
	Site: Fence line-south				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 4 µg/filter. OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA, unless specifically indicated otherwise in the comment section. Unless otherwise noted, results in this report are not blank corrected. The Laboratory is not responsible for data reported in µg/m³ which is dependent on volume collected by non-laboratory personnel. This report may not be reproduced execept in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 12/02/2014 14:05:05

321421989

Chain of Custody

LATesting Order Number (Lab Use Only):

LATesting
3960 Wilshire Blvd
South Pasadena, CA 91030
Phone: (800) 300-0017
Fax: (323) 254-0982

Company: Arcadis		LATesting-Bill to: [X] Same [ ] Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party	
Street: 3750 Schaufele Ave Suite 225			
City: Long Beach	State/Province: CA	Zip/Postal Code: 90808	Country: USA
Report To (Name): Jeffery Johnson		Fax #: (562) 496-2452	
Telephone #: (714) 336-2745		Email Address: Jeffery.Johnson@arcadis-US.com	
Project Name/Number: ELA CA011144.0031			
Please Provide Results: [ ] Fax [X] Email	Purchase Order:	U.S. State Samples Taken:	

Turnaround Time (TAT) Options* - Please Check

[ ] 3 Hour [ ] 6 Hour [X] 24 Hour [ ] 48 Hour [ ] 3 Day [ ] 4 Day [ ] 1 Week [ ] 2 Week

For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
[X] NIOSH 7400
[ ] w/ 8hr. TWA

TEM - Air [ ] 4-4.5hr TAT (AHERA ONLY)
[ ] AHERA 40 CFR, Part 763
[ ] NIOSH 7402
[ ] EPA Level II
[ ] ISO 10312

TEM - Water
Fibers ≥10µm [ ] Waste [ ] Drinking
All Fiber Sizes [ ] Waste [ ] Drinking

PLM - Bulk
[ ] PLM EPA 600/R-93/116
[ ] PLM EPA NOB (<1%)
[ ] NYS 198.1 (friable-NY)
[ ] NYS 198.6 (non-friable-NY)
Point Count [ ] 400 (<0.25%) [ ] 1000 (<0.1%)
Point Count w/ Gravimetric
[ ] 400 (<0.25%) [ ] 1000 (<0.1%)

TEM - Dust
[ ] Microvac – ASTM D 5755
[ ] Wipe-ASTM D6480

TEM - Bulk
[ ] TEM EPA NOB
[ ] NYS NOB 198.4 (non-friable-NY)
[ ] Chatfield SOP

Soil/Rock/Vermiculite
[ ] PLM CARB 435 – A (0.25% sensitivity)
[ ] PLM CARB 435 – B (0.1% sensitivity)
[ ] TEM CARB 435 – B (0.1% sensitivity)
[ ] EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
[ ] Chips SW846-7000B or AOAC 974.02
[ ] Soil SW846-7000B/7420
[X] Air NIOSH 7082
[ ] Wastewater SM3111B or SW846-7000B/7420
[ ] ASTM Wipe SW846-7000B/7420
[ ] non ASTM Wipe SW846-7000B/7420
[ ] TCLP SW846-1311/7420/SM 3111B

ICP
[ ] Air NIOSH 7300 Modified
[ ] non ASTM Wipe SW846-6010B or C
[ ] ASTM Wipe SW846-6010B or C
[ ] Soil SW846-6010 B or C
[ ] Waste Water SW846-6010B or C
[ ] TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
[ ] Soil SW846-7421 [ ] Wastewater EPA 200.9
[ ] Air NIOSH 7105 [ ] Drinking Water EPA 200.9

Other: [ ]

Materials Science

[ ] Common Particle ID (large particles)
[ ] Fine Particle ID (environmental dust)
[ ] Basic Material ID (solids)
[ ] Advanced Material ID
[ ] Physical Testing (Tensile, Compression)
[ ] Combustion-by-products (soot, char, etc.)
[ ] X-Ray Fluorescence (elem. analysis)
[ ] X-Ray Diffraction (Crystalline Part.)
[ ] MMVF's (Fibrous glass, RCF's)
[ ] Particle Size (sieve/microscopy/laser)
[ ] Combustible Dust
[ ] Petrographic Examination
Other: [ ]

Microbiology

Wipe and Bulk Samples
[ ] Mold & Fungi – Direct Examination
[ ] Mold & Fungi Culture (Genus Only)
[ ] Mold & Fungi Culture (Genus & Species)
[ ] Bacterial Count & ID (Up to Three Types)
[ ] Bacterial Count & ID (Up to Five Types)
[ ] MRSA
[ ] *Pseudomonas aeruginosa*

Water Samples
[ ] Total Coliform & E.coli (P/A)
[ ] Fecal Coliform (SM 9222D)
[ ] Sewage Screen
[ ] Heterotrophic Plate Count (SM 9215)

Air Samples
[ ] Mold & Fungi (Spore Trap)
[ ] Mold & Fungi Culture (Genus Only)
[ ] Mold & Fungi (Genus & Species)
[ ] Bacterial Culture & ID (Up to Three Types)
[ ] Bacterial Culture & ID (Up to Five Types)
[ ] Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code:

Legionella
[ ] Level 1 [ ] Level 2 [ ] Level 3 [ ] Level 4

Other: [ ]

IAQ

Nuisance Dust NIOSH [ ] 0500 [ ] 0600
Airborne Dust [ ] PM10 [ ] TSP
Silica Analysis: [ ] All Species
Silica Analysis – Single Species
[ ] Alpha Quartz [ ] Cristobalite [ ] Tridymite
[ ] HVAC Efficiency
[ ] Carbon Black
[ ] Airborne Oil Mist
Other: [ ]

****Comments/Special Instructions:**

Client Sample #'s	ELA-4 – ELA-11	Total # of Samples:	11
Relinquished (Client):	Date: 12/11/14	Time:	
Received (Lab):	Date: 12/11/14	Time:	6pm

Continued on Comments and Chain of Custody Page 2

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

321421989

ARCADIS
Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01)

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Client: SMMUSD Client Address: 2425 Kansas Ave, Santa Monica, CA

Project Name: EDISON ABATEMENT
Project #: CMO11144.0031
Project Location: _____
Work Area: BUILDINGS P, N, & G
Pass Phase Rings/HSE-NPL): _____

Collection Date: 11/20/14
Project Monitor: HSIN CHOU / PHIL SIKORGE
Rotameter # & Cal. Date: _____
Microscope Number: _____
Reference Slide (No. and F/Fields): _____

Checked by: _____ Date: _____
Date of Analysis: _____
Microscope Cleaned: _____
Analyst Signature: _____
NIOSH 7400 _____ Other: _____
Graticule Field Area: _____

Sample # (manufacturer number)	Sample Location or Worker Name / SSN / Task	Sample Type (1-10)	Sample Start/ Pump ID hh:mm (military)	Sample Stop hh:mm (military)	Time (Mins) [A]	Rotometer Flow Rate (LPM) Pre	Post	Ave [B]	Sample Volume (Liters) A*B = [C]	LOD (fibers/cc) (2.7 / C)	Actual Count (F/Fields)	Adjusted Count * (F/Fields)	Result * (F/mm²)/ (F/CC)	Analyst ID Initials
ELA-AIR5 -112914	Field Blank													
ELA-AIR6 -112914	Field Blank													
ELA-AIR1 -112914	Outside Bldg P - eastern portion	7	10:42	15:08	266	2.4	2.4	2.4	638					
ELA-AIR2 -112914	Outside Bldg P - southern portion	7	10:45	15:09	264	2.4	2.4	2.4	634					
ELA-AIR3 -112914	Outside Bldg P - western portion	7	10:46	15:10	265	2.4	2.6	2.5	663					
ELA-AIR4 -112914	Outside Bldg P - northern portion	7	10:48	15:11	263	2.4	2.4	2.4	631					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * S_r/2 (or .225 if no S_r) :												Pass/Fail	

*If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).
If original analysis and QC analysis results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments: _____

Relinquished By: _____ Date: 11/20/14 Received By: _____ Date: _____

OrderID: 321421989

LEAD

ARCADIS
Infrastructure · Water · Environment · Buildings

~~ASBESTOS~~ AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01)

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

32 142198

Client: ~~SMHUSD~~ SMHUSD Client Address: 2425 Kansas Ave, Santa Monica, CA

Project Name: EDISON ABATEMENT

Project #: C4041144.0051

Project Location: EDISON

Work Area: BUILDINGS P, N, & G

Pass Phase Rings/HSE-NPL): _____

Collection Date: 11/29/14

Project Monitor: HSIN CHOU / PHIL SKONCO

Rotameter # & Cal. Date: _____

Microscope Number: _____

Reference Slide (No. and F/Fields): _____

Checked by: _____ Date: 11/29/14

Date of Analysis: _____

Microscope Cleaned: _____

Analyst Signature: _____

NIOSH 7400 _____ Other: _____

Graticule Field Area: _____

Sample # (manufacturer number)	Sample Location or Worker Name / SSN / Task	Sample Type (1-10)	Sample Start/ Pump ID hh:mm (military)	Sample Stop hh:mm (military)	Time (Mins) [A]	Rotometer Flow Rate (LPM) Pre	Post	Ave [B]	Sample Volume (Liters) A*B = [C]	LOD (fibers/cc) (2.7 / C)	Actual Count (F/Fields)	Adjusted Count * (F/Fields)	Result * (F/mm²)/ (F/CC)	Analyst ID Initials
ELA-L5-112914	Field Blank													
	Field Blank													
ELA-L1-112914	Fence line - northeast	7	1050	15~~5~~8	288	2.0	2.0	2.0	576					
ELA-L2-112914	Fence line - southeast	7	1052	15~~:~~39	287	2.0	2.0	2.0	574					
ELA-L3-112914	Court yard - outside area of lead work	7	1055	15~~:~~41	286	2.0	2.0	2.0	572					
ELA-L4-112914	Fence line - south	7	1100	15~~:~~43	283	2.0	1.9	1.95	552					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * S_r/2 (or .225 if no S_r)											Pass/Fail	

*If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the LOD column).

If **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments: _____

Relinquished By: _____ Date: 11/29/14 Received By: _____ Date: _____

OrderID: 321421989

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421989
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 12/01/14 6:00 PM
Analysis Date: 12/2/2014
Collected: 11/29/2014

Project: **ELA CM011144.0031**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes
ELA-AIR5-112914 *321421989-0001*	FIELD BLANK	11/29/2014		<5.5	100		<7.01		Field Blank
ELA-AIR6-112914 *321421989-0002*	FIELD BLANK	11/29/2014		<5.5	100		<7.01		Field Blank
ELA-AIR1-112914 *321421989-0003*	OUTSIDE BLDG EASTERN PORTION	11/29/2014	638.00	<5.5	100	0.004	<7.01	<0.004	
ELA-AIR2-112914 *321421989-0004*	OUTSIDE BLDG SOUTHER PORTION	11/29/2014	634.00	<5.5	100	0.004	<7.01	<0.004	
ELA-AIR3-112914 *321421989-0005*	OUTSIDE BLDG WESTERN PORTION	11/29/2014	663.00	<5.5	100	0.004	<7.01	<0.004	
ELA-AIR4-112914 *321421989-0006*	OUTSIDE BLDG P NORTHERN PORTION	11/29/2014	631.00	<5.5	100	0.004	<7.01	<0.004	

The results reported have been blank corrected as applicable.

Analyst(s)

Rafik Vartanian, Ph.D (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.32, 21-50 fibers = 0.33, 51-100 fibers = 0.26. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC--IHLAP Accredited #102814

Initial report from 12/02/2014 16:09:33

Chain of Custody

LATesting Order Number (Lab Use Only):

321421988

LATESTING
520 Mission Street
South Pasadena, CA 91030
Phone: (800) 303-0047
Fax: (323) 254-9982

Company: Arcadis		LATesting-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party	
Street: 3750 Schaufele Ave Suite 225			
City: Long Beach	State/Province: CA	Zip/Postal Code: 90808	Country: USA
Report To (Name): Jeffery Johnson		Fax #: (562) 496-2452	
Telephone #: (714) 336-2745		Email Address: Jeffery.Johnson@arcadis-us.com	
Project Name/Number: EPA CA01144.0031			
Please Provide Results: ☐ Fax ☒ Email	Purchase Order:	U.S. State Samples Taken:	

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 3 Day ☐ 4 Day ☐ 1 Week ☐ 2 Week

For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
☒ NIOSH 7400
☐ w/ 8hr. TWA

TEM - Air ☐ 4-4.5hr TAT (AHERA ONLY)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Water
Fibers ≥10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

PLM - Bulk
☐ PLM EPA 600/R-93/116
☐ PLM EPA NOB (<1%)
☐ NYS 198.1 (friable-NY)
☐ NYS 198.6 (non-friable-NY)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/ Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)

TEM - Dust
☐ Microvac – ASTM D 5755
☐ Wipe-ASTM D6480

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP

Soil/Rock/Vermiculite
☐ PLM CARB 435 – A (0.25% sensitivity)
☐ PLM CARB 435 – B (0.1% sensitivity)
☐ TEM CARB 435 – B (0.1% sensitivity)
☐ EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
☐ Chips SW846-7000B or AOAC 974.02
☐ Soil SW846-7000B/7420
☐ Air NIOSH 7082
☐ Wastewater SM3111B or SW846-7000B/7420
☐ ASTM Wipe SW846-7000B/7420
☐ non ASTM Wipe SW846-7000B/7420
☐ TCLP SW846-1311/7420/SM 3111B

ICP
☐ Air NIOSH 7300 Modified
☐ non ASTM Wipe SW846-6010B or C
☐ ASTM Wipe SW846-6010B or C
☐ Soil SW846-6010 B or C
☐ Waste Water SW846-6010B or C
☐ TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
☐ Soil SW846-7421 ☐ Wastewater EPA 200.9
☐ Air NIOSH 7105 ☐ Drinking Water EPA 200.9

Other: ☐

Microbiology

Wipe and Bulk Samples
☐ Mold & Fungi – Direct Examination
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi Culture (Genus & Species)
☐ Bacterial Count & ID (Up to Three Types)
☐ Bacterial Count & ID (Up to Five Types)
☐ MRSA
☐ *Pseudomonas aeruginosa*

Water Samples
☐ Total Coliform & E.coli (P/A)
☐ Fecal Coliform (SM 9222D)
☐ Sewage Screen
☐ Heterotrophic Plate Count (SM 9215)

Air Samples
☐ Mold & Fungi (Spore Trap)
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi (Genus & Species)
☐ Bacterial Culture & ID (Up to Three Types)
☐ Bacterial Culture & ID (Up to Five Types)
☐ Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code:

Legionella
☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

Other: ☐

Materials Science

☐ Common Particle ID (large particles)
☐ Full Particle ID (environmental dust)
☐ Basic Material ID (solids)
☐ Advanced Material ID
☐ Physical Testing (Tensile, Compression)
☐ Combustion-by-products (soot, char, etc.)
☐ X-Ray Fluorescence (elem. analysis)
☐ X-Ray Diffraction (Crystalline Part.)
☐ MMVF's (Fibrous glass, RCF's)
☐ Particle Size (sieve/microscopy/laser)
☐ Combustible Dust
☐ Petrographic Examination
Other: ☐

IAQ

Nuisance Dust NIOSH ☐ 0500 ☐ 0600
Airborne Dust ☐ PM10 ☐ TSP
Silica Analysis: ☐ All Species
Silica Analysis – Single Species
☐ Alpha Quartz ☐ Cristobalite ☐ Tridymite
☐ HVAC Efficiency
☐ Carbon Black
☐ Airborne Oil Mist
Other: ☐

****Comments/Special Instructions:**

Client Sample #'s	1-5		Total # of Samples: 5
Relinquished (Client):		Date: 12/1/14	Time:
Received (Lab):		Date: 12/1/14	Time: 6pm

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

ARCADIS
Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01)

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

OrderID: 321421988

Client: SMMUSD Client Address: 1651 16th Street Santa Monica, CA 90404 Checked by: Date:

Project Name: Edison Language Academy Collection Date: 12/1/14 Date of Analysis:

Project #: CA011144.003P Project Monitor: Steven Sanchez Microscope Cleaned:

Project Location: 2524 Kenwood Ave Santa Monica, CA Rotameter # & Cal. Date: SKJ-12 10/16/13 Analyst Signature:

Work Area: BLDG G, P & Q Microscope Number: NIOSH 7400 Other:

Pass Phase Rings/HSE-NPL): Reference Slide (No. and F/Fields): Graticule Field Area:

Sample #	Sample Location or	Sample Type	Sample Start/ Pump ID	Sample Stop	Time (Mins)	Rotometer Flow Rate (LPM)			Sample Volume (Liters)	LOD (fibers/cc)	Actual Count	Adjusted Count *	Result *	Analyst ID
(manufacturer number)	Worker Name / SSN / Task	(1-10)	hh:mm (military)	hh:mm (military)	[A]	Pre	Post	Ave [B]	A*B = [C]	(2.7 / C)	(F/Fields)	(F/Fields)	(F/mm²)/ (F/CC)	Initials
1	Field Blank													
2	Field Blank													
3	Center of BLDG P	8	1230	1400	90	14	14	14	1260					
4	Center of BLDG G	8	1231	1401	90	14	14	14	1260					
5	Center of BLDG Q	8	1232	1402	90	14	14	14	1260					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * $S_r/2$ (or .225 if no S_r)											Pass/Fail	

*If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).

If **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments:

Relinquished By: Steven Sanchez Date: 12/1/14 Received By: Date:

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421988
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 12/01/14 6:00 PM
Analysis Date: 12/2/2014
Collected: 12/1/2014

Project: **ELA CM011144.0031**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes
1	FIELD BLANK	12/1/2014		<5.5	100		<7.01		Field Blank
321421988-0001									
2	FIELD BLANK	12/1/2014		<5.5	100		<7.01		Field Blank
321421988-0002									
3	CENTER OF BLDG P	12/1/2014	1260.00	<5.5	100	0.002	<7.01	<0.002	
321421988-0003									
4	CENTER OF BLDG G	12/1/2014	1260.00	<5.5	100	0.002	<7.01	<0.002	
321421988-0004									
5	CENTER OF BLDG Q	12/1/2014	1260.00	<5.5	100	0.002	<7.01	<0.002	
321421988-0005									

The results reported have been blank corrected as applicable.

Analyst(s)

Rafik Vartanian, Ph.D (5)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.32, 21-50 fibers = 0.33, 51-100 fibers = 0.26. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC--IHLAP Accredited #102814

Initial report from 12/02/2014 15:52:16

Lead (Pb) Chain of Custody

LA Testing Order Number *(Lab Use Only)*: 321421979

LA TESTING
520 MISSION STREET
S. PASADENA CA 91030
PHONE (323) 254-9960
FAX: (323) 254-9982

Company: Arcadis	**LA Testing-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 3750 Schaufele Ave Suite 225	*Third Party Billing requires written authorization from third party*
City: Long Beach **State/Province:** CA	**Zip/Postal Code:** 90808 **Country:** USA
Report To (Name): Jeffery Johnson	**Fax #:** (562) 496-2452
Telephone # (714) 336-2745	**Email Address:** Jeffery.Johnson@arcadis-us.com
Project Name/Number: ELA CMC111144-0031	
Please Provide Results: ☐ Fax ☒ Email	**Purchase Order:** **U.S. State Samples Taken:**

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hours	☐ 6 Hours	☒ 24 Hours	☐ 48 Hours	☐ 3 Days	☐ 4 Days	☐ 1 Week	☐ 2 Week

Analysis completed in accordance with LA Testing's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ mg/cm² ☐ % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%	☐
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☒
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter	☐
Wipe* ☒ ASTM ☐ non ASTM *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe	☒
	SW846-6010B or C	ICP-AES	0.5 µg/wipe	☐
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	☐
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)	☐
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	☐
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	☐
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐

Other:	**Preservation Method (Water):**
Name of Sampler:	**Signature of Sampler:**

Sample #	Location	Volume/Area	Date/Time Sampled

Client Sample #'s	LW1 - A-10			**Total # of Samples:**	27
Relinquished (Client):	[signature]	**Date:**	12/1/14	**Time:**	
Received (Lab):	[signature]	**Date:**	12/1/14	**Time:**	6pm

Comments: See Attached COC's

Controlled Document – Lead (Pb) COC – ... 8/30/13

ARCADIS-US

Sampling Technician J. Pachuca Date 12/1/14 Mail Code _____ Address: Project # CM011144-0031 / ELA 321421979 Page ___ of ___

Sample ID	HA	Material Type	Color	Sample Location	Building Work Area/Floor	Condition	Friable	Approximate Size/Quantity	Material Location	Photo #
LW14	Exterior	N. end of BLDG N on roof	—	—	—	—	—	1'X1' (poly plastic)		
LW15	Exterior	N. BLDG E. end of Room	143	—	—	—	—		(ceramic tile)	
LW16	↓	N. BLDG NE end of Room	142	—	—	—	—		(vinyl floor tile)	
LW17	↓	N. BLDG SE end of Room	140	—	—	—	—	↓	(ceramic tile)	
A-1	Field blank	—	—	—	—	—	—	—	—	—
A-2	↓	↓	—	—	—	—	—	—	—	—
A-3	E. end of BLDG P		—	—	—	—	—	2.5 lpm x 480 min = 1200 (Total volume)		
A-4	S. end of BLDG P & G		—	—	—	—	—			
A-5	SW end of School campus		—	—	—	—	—			
A-6	W. end of BLDG G		—	—	—	—	—			
A-7	N. end of BLDG P & G		—	—	—	—	—			
A-8	NW end of School campus		—	—	—	—	—			
A-9	NE end of School campus		—	—	—	—	—			
A-10	SE end of School campus									

Condition: Good (G), Damaged (D), Significantly Damaged (SD). Add a comment on type and extent of damage.

OrderID: 321421979

Lead wipe Samples Page 1 of 2

ARCADIS-US

Sampling Technician Jason Sandusky Date 12/1/14 Mail Code Address Project # CM011144.0031 | ELA 321421979 Page __ of __

Sample ID	Matrix	Material Description	Color	Sampler Location	Location/Part Coating (ft²)	Condition	Surface Area (ft²)	Quantity	Number/Area Sampled/Quantity	Material Location	Photo #
LW-1	Exterior			N. end of BLDG F.	—	—	—	—	—	1'X1' (poly plastic)	
LW-2				E. end OF BLDG F on ROOF	—	—	—	—	—		
LW-3				S. end OF BLDG F on ROOF	—	—	—	—	—		
LW-4				W. end OF BLDG F.	—	—	—	—	—		
LW-5				N. end OF BLDG M.	—	—	—	—	—		
LW-6				E. end OF BLDG M.	—	—	—	—	—		
LW-7				S. end OF BLDG M	—	—	—	—	—		
LW-8				S. end OF BLDG E.	—	—	—	—	—		
LW-9				W. end OF BLDG E.	—	—	—	—	—		
LW-10				N. end OF BLDG E on ROOF	—	—	—	—	—		
LW-11				E. end OF BLDG N.	—	—	—	—	—	1'X1' (poly plastic)	
LW-12	Exterior			S. end OF BLDG N on ROOF	—	—	—	—	—		
LW-13				W. end OF BLDG N on ROOF	—	—	—	—	—		

Condition: Good (G), Damaged (D), Significantly Damaged (SD). Add a comment on type and extent of damage.

OrderID: 321421979 Page 3 of 3

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421979
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 12/01/14 6:00 PM
Collected:

Project: **ELA CM011144.0031**

Test Report: Lead in Air by Flame AAS (NIOSH 7082)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Volume*	*Lead* ***Concentration***
A-1	*321421979-0018*		12/2/2014	0 L	<4.0 µg/filter
	Site: FIELD BLANK				
A-2	*321421979-0019*		12/2/2014	0 L	<4.0 µg/filter
	Site: FIELD BLANK				
A-3	*321421979-0020*		12/2/2014	1200 L	<3.3 µg/m³
	Site: E END OF BLDG P				
A-4	*321421979-0021*		12/2/2014	1200 L	<3.3 µg/m³
	Site: S END OF BLDG P & G				
A-5	*321421979-0022*		12/2/2014	1200 L	<3.3 µg/m³
	Site: SW END OF SCHOOL CAMPUS				
A-6	*321421979-0023*		12/2/2014	1200 L	<3.3 µg/m³
	Site: W END OF BLDG G				
A-7	*321421979-0024*		12/2/2014	1200 L	<3.3 µg/m³
	Site: N END OF BLDG P & G				
A-8	*321421979-0025*		12/2/2014	1200 L	<3.3 µg/m³
	Site: NW END OF SCHOOL CAMPUS				
A-9	*321421979-0026*		12/2/2014	1200 L	<3.3 µg/m³
	Site: NE END OF SCHOOL CAMPUS				
A-10	*321421979-0027*		12/2/2014	1200 L	<3.3 µg/m³
	Site: SE END OF SCHOOL CAMPUS				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 4 µg/filter. OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA, unless specifically indicated otherwise in the comment section. Unless otherwise noted, results in this report are not blank corrected. The Laboratory is not responsible for data reported in µg/m³ which is dependent on volume collected by non-laboratory personnel. This report may not be reproduced execept in full, without written approval by EMSL. This report relates only to those Items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 12/02/2014 14:02:32

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421979
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 12/01/14 6:00 PM
Collected:

Project: **ELA CM011144.0031**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead* **Concentration**
LW-1	*321421979-0001*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR N END OF BLDG F				
LW-2	*321421979-0002*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR E END OF BLDG F ON ROOF				
LW-3	*321421979-0003*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR S END OF BLDG F ON ROOF				
LW-4	*321421979-0004*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR W END OF BLDG F				
LW-5	*321421979-0005*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR N END OF BLDG M				
LW-6	*321421979-0006*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR E END OF BLDG M				
LW-7	*321421979-0007*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR S END OF BLDG M				
LW-8	*321421979-0008*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR S END OF BLDG E				
LW-9	*321421979-0009*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR W END OF BLDG E				
LW-10	*321421979-0010*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR N END OF BLDG E ON ROOF				
LW-11	*321421979-0011*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR E END OF BLDG N				
LW-12	*321421979-0012*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR S END OF BLDG N ON ROOF				
LW-13	*321421979-0013*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR W END OF BLDG N ON ROOF				
LW-14	*321421979-0014*		12/2/2014	144 in²	<10 µg/ft²
	Site: EXTERIOR N END OF BLDG N ON ROOF				
LW-15	*321421979-0015*		12/2/2014	144 in²	<10 µg/ft²
	Site: INTERIOR N BLDG E END OF ROOM 143				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected . This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 12/02/2014 14:02:32

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321421979
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 12/01/14 6:00 PM
Collected:

Project: **ELA CM011144.0031**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead* ***Concentration***
LW-16	*321421979-0016*		12/2/2014	144 in²	<10 µg/ft²
	Site: INTERIOR N BLDG NE END OF ROOM 142				
LW-17	*321421979-0017*		12/2/2014	144 in²	<10 µg/ft²
	Site: INTERIOR N BLDG SE END OF ROOM 140				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected . This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 12/02/2014 14:02:32

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*: 321423693

LA TESTING
520 MISSION STREET
S PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Company: Arcadis	LA Testing-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 3750 Schaefer Ave Suite 225	
City: Long Beach / State/Province: CA	Zip/Postal Code: 90808 / Country: USA
Report To (Name): Jeffery Johnson	Fax #: (562) 496-2452
Telephone #: (714) 336-2745	Email Address: Jeffery.Johnson@arcadis-us.com
Project Name/Number: EPA - SUMMER CM11144.0031	
Please Provide Results: ☐ Fax ☒ Email	Purchase Order: / U.S. State Samples Taken:

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours through 6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☒ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198 1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100 2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: / **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	√ See Seperate COC !!		

Client Sample # (s): A-1 - A-10 **Total # of Samples:** 10

Relinquished (Client): **Date:** 12/24/14 **Time:** 1305

Received (Lab): **Date:** 12/24/14 **Time:** 1:45pm

Comments/Special Instructions:

Page 1 of _____ pages

ARCADIS 23693

Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01)

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

OrderID: 321423693

Client: SMMUSD Client Address: 1651 16th Street Santa Monica, CA 90404

Project Name: ELA- SMMUSD

Project #: CA011144.0031

Project Location: 2425 Kansas Ave Santa Monica, CA

Work Area: BLDG C (Interior)

Pass Phase Rings/HSE-NPL): _____

Collection Date: 12/24/14

Project Monitor: Jillian Sanchez

Rotameter # & Cal. Date: JLJ-12

Microscope Number: _____

Reference Slide (No. and F/Fields): _____

Checked by: _____ Date: _____

Date of Analysis: _____

Microscope Cleaned: _____

Analyst Signature: _____

NIOSH 7400 _____ Other: _____

Graticule Field Area: _____

Sample # (manufacturer number)	Sample Location or Worker Name / SSN / Task	Sample Type (1-10)	Sample Start / Pump ID hh:mm (military)	Sample Stop hh:mm (military)	Time (Mins) [A]	Rotometer Flow Rate (LPM) Pre	Post	Ave [B]	Sample Volume (Liters) A*B = [C]	LOD (fibers/cc) (2.7 / C)	Actual Count (F/Fields)	Adjusted Count * (F/Fields)	Result * (F/mm²)/(F/CC)	Analyst ID Initials
A-1	Field Blank													
A-2	Field Blank													
A-3	Upwind SE end of Fence line.	2	0900	1300	240	2.5	2.5	2.5	600					
A-4	Upwind S. end of Fence line.	2	0901	1301	240	2.5	2.5	2.5	600					
A-5	Down wind NE end of Fence line	2	0902	1302	240	2.5	2.5	2.5	600					
A-6	Down wind N. end of Fence line.	2	0903	1303	240	2.5	2.5	2.5	600					
A-7	Decon chamber	6	0904	1304	240	2.5	2.5	2.5	600					
A-8	E. end of BLDG C. (Negative air exhaust)	5	0905	1305	240	2.5	2.5	2.5	600					
A-9	N. end of BLDG C.	2	0906	1306	240	2.5	2.5	2.5	600					
A-10	W. end of BLDG C.	2	0907	1307	240	2.5	2.5	2.5	600					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * S_r/2 (or .225 if no S_r)											Pass/Fail	

*If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).

If **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments: _____

Relinquished By: Jillian Sanchez Date: 12/24/14 Received By: _____ Date: _____

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321423693
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 12/24/14 1:45 PM
Analysis Date: 12/26/2014
Collected: 12/24/2014

Project: **ELA-SMMUSD CM11144.0031**

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes
A-1 *321423693-0001*	FIELD BLANK	12/24/2014		<5.5	100		<7.01		Field Blank
A-2 *321423693-0002*	FIELD BLANK	12/24/2014		<5.5	100		<7.01		Field Blank
A-3 *321423693-0003*	UPWIND SE END OF THE FENCE LINE	12/24/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-4 *321423693-0004*	UPWIND S END OF THE FENCE LINE	12/24/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-5 *321423693-0005*	DOWNWIND NE END OF THE FENCE LINE	12/24/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-6 *321423693-0006*	DOWNWIND N. END OF THE FENCE LINE	12/24/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-7 *321423693-0007*	DECON CHAMBER	12/24/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-8 *321423693-0008*	E END OF BLDG C (NEGATIVE AIR EXHAUST)	12/24/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-9 *321423693-0009*	N. END OF BLDG C	12/24/2014	600.00	<5.5	100	0.004	<7.01	<0.005	
A-10 *321423693-0010*	W END OF BLDG C	12/24/2014	600.00	<5.5	100	0.004	<7.01	<0.005	

Analyst(s)

Kieu-anh Pham Duong (10)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.32, 21-50 fibers = 0.33, 51-100 fibers = 0.26. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC--IHLAP Accredited #102814

Initial report from 12/26/2014 10:40:46

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order:	321423693
CustomerID:	ACAD78AK
CustomerPO:	
ProjectID:	

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Project: **ELA-SMMUSD CM11144.0031**

Phone:	(562) 496-3000
Fax:	
Received:	12/24/14 1:45 PM
Analysis Date:	12/26/2014
Collected:	12/24/2014

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*

The results reported have been blank corrected as applicable.

Analyst(s)

Kieu-anh Pham Duong (10)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.32, 21-50 fibers = 0.33, 51-100 fibers = 0.26. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC--lHLAP Accredited #102814

Initial report from 12/26/2014 10:40:46

Chain of Custody

LATesting Order Number (Lab Use Only)

321423882

Company: Arcadis	LATesting-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party
Street: 3750 Schaefer Ave Suite 225	
City: Long Beach State/Province: CA	Zip/Postal Code: 90808 Country: USA
Report To (Name): Jeffery Johnson	Fax #: (562) 498-2452
Telephone #: (714) 328-2245	Email Address: jeffery.johnson@arcadis-us.com
Project Name/Number: EPA JMMWD CM011144-0031	
Please Provide Results: ☐ Fax ☒ Email	Purchase Order: U.S. State Samples Taken:

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 3 Day ☐ 4 Day ☐ 1 Week ☐ 2 Week

For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability

Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air
☒ NIOSH 7400
☐ w/ 8hr. TWA

TEM - Air ☐ 4-4.5hr TAT (AHERA ONLY)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Water
Fibers ≥10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

PLM - Bulk
☐ PLM EPA 600/R-93/116
☐ PLM EPA NOB (<1%)
☐ NYS 198.1 (friable-NY)
☐ NYS 198.6 (non-friable-NY)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/ Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)

TEM - Dust
☐ Microvac – ASTM D 5755
☐ Wipe-ASTM D6480

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP

Soil/Rock/Vermiculite
☐ PLM CARB 435 – A (0.25% sensitivity)
☐ PLM CARB 435 – B (0.1% sensitivity)
☐ TEM CARB 435 – B (0.1% sensitivity)
☐ EPA Reg. 1 Screening Protocol (Qualitative)

Other:

Lead (Pb)

Flame Atomic Absorption
☐ Chips SW846-7000B or AOAC 974.02
☐ Soil SW846-7000B/7420
☐ Air NIOSH 7082
☐ Wastewater SM3111B or SW846-7000B/7420
☐ ASTM Wipe SW846-7000B/7420
☐ non ASTM Wipe SW846-7000B/7420
☐ TCLP SW846-1311/7420/SM 3111B

ICP
☐ Air NIOSH 7300 Modified
☐ non ASTM Wipe SW846-6010B or C
☐ ASTM Wipe SW846-6010B or C
☐ Soil SW846-6010B or C
☐ Waste Water SW846-6010B or C
☐ TCLP SW846-6010B or C

Graphite Furnace Atomic Absorption
☐ Soil SW846-7421 ☐ Wastewater-EPA 200.9
☐ Air NIOSH 7105 ☐ Drinking Water EPA 200.9

Other: ☐

Microbiology

Wipe and Bulk Samples
☐ Mold & Fungi – Direct Examination
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi Culture (Genus & Species)
☐ Bacterial Count & ID (Up to Three Types)
☐ Bacterial Count & ID (Up to Five Types)
☐ MRSA
☐ *Pseudomonas aeruginosa*

Water Samples
☐ Total Coliform & E.coli (P/A)
☐ Fecal Coliform (SM 9222D)
☐ Sewage Screen
☐ Heterotrophic Plate Count (SM 9215)

Air Samples
☐ Mold & Fungi (Spore Trap)
☐ Mold & Fungi Culture (Genus Only)
☐ Mold & Fungi (Genus & Species)
☐ Bacterial Culture & ID (Up to Three Types)
☐ Bacterial Culture & ID (Up to Five Types)
☐ Endotoxin Testing

Real Time Q-PCR (See Analytical Guide for Code)
Code:

Legionella
☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

Other: ☐

Materials Science

☐ Common Particle ID (large particles)
☐ Full Particle ID (environmental dust)
☐ Basic Material ID (solids)
☐ Advanced Material ID
☐ Physical Testing (Tensile, Compression)
☐ Combustion-by-products (soot, char, etc.)
☐ X-Ray Fluorescence (elem. analysis)
☐ X-Ray Diffraction (Crystalline Part.)
☐ MMVF's (Fibrous glass, RCF's)
☐ Particle Size (sieve/microscopy/laser)
☐ Combustible Dust
☐ Petrographic Examination
Other: ☐

IAQ

Nuisance Dust NIOSH ☐ 0500 ☐ 0600
Airborne Dust ☐ PM10 ☐ TSP
Silica Analysis: ☐ All Species
Silica Analysis – Single Species
☐ Alpha Quartz ☐ Cristobalite ☐ Tridymite
☐ HVAC Efficiency
☐ Carbon Black
☐ Airborne Oil Mist
Other: ☐

**Comments/Special Instructions:

Client Sample #'s: A-1 - A-6	Total # of Samples: 6
Relinquished (Client): [signature] Date: 12/29/14	Time:
Received (Lab): [signature] Date: 12/29/14	Time: 11:20am

Analysis Complete in Accordance with LATesting's Terms and Conditions located in the Analytical Price Guide

ARCADIS
Infrastructure · Water · Environment · Buildings

ASBESTOS AIR SAMPLE DATA SHEET (Version 9.0 Revised 2012-06-01)

321423882

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Client: SMMUSD Client Address: 1651 16th Street Santa Monica CA 90404

Project Name: ELA - SMMUSD

Project #: (AM)11446.0031

Project Location: 2425 Virginia Ave Santa Monica

Work Area: BLDG C (Interior)

Pass Phase Rings/HSE-NPL): _____

Collection Date: 12/22/14

Project Monitor: Shilin Sanchez

Rotameter # & Cal. Date: SLJ-12

Microscope Number: _____

Reference Slide (No. and F/Fields): _____

Checked by: _____ Date: _____

Date of Analysis: _____

Microscope Cleaned: _____

Analyst Signature: _____

NIOSH 7400 _____ Other: _____

Graticule Field Area: _____

Sample # (manufacturer number)	Sample Location or Worker Name / SSN / Task	Sample Type (1-10)	Sample Start/ Pump ID hh:mm (military)	Sample Stop hh:mm (military)	Time (Mins) [A]	Rotometer Flow Rate (LPM) Pre	Post	Ave [B]	Sample Volume (Liters) A*B = [C]	LOD (fibers/cc) (2.7 / C)	Actual Count (F/Fields)	Adjusted Count * (F/Fields)	Result * (F/mm^2)/ (F/CC)	Analyst ID Initials
A-1	Field Blank													
A-2	Field Blank													
A-3	N. end of Bldg C.	E	0900	1030	90	14	14	14	1260					
A-4	E. end of Bldg C.	E	0901	1031	90	14	14	14	1260					
A-5	W. end of Bldg C.	E	0902	1032	90	14	14	14	1260					
A-6	S. end of Bldg C	E	0903	1033	90	14	14	14	1260					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm^2)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * $S_r/2$ (or .225 if no S_r)											Pass/Fail	

*If **Adjusted Count** is less than or equal to 5 Fibers/100 Fields, then report **Result** as < *LOD* in f/cc (the value in the **LOD** column).

If **original analysis and QC analysis** results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust 6) Decon chamber 7) Non-Removal Area during Removal 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments: _____

Relinquished By: Shilin Sanchez Date: 12/22/14 Received By: _____ Date: _____

OrderID: 321423882

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order:	321423882
CustomerID:	ACAD78AK
CustomerPO:	CM011144-0031
ProjectID:	

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Project: **ELA SMMUSD CM011144-0031**

Phone:	(562) 496-3000
Fax:	
Received:	12/29/14 11:20 AM
Analysis Date:	12/29/2014
Collected:	12/29/2014

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
A-1 *321423882-0001*	FIELD BLANK	12/29/2014		<5.5	100		<7.01		Field Blank
A-2 *321423882-0002*	FIELD BLANK	12/29/2014		<5.5	100		<7.01		Field Blank
A-3 *321423882-0003*	N. END OF BLDG C.	12/29/2014	1260.00	<5.5	100	0.002	<7.01	<0.002	
A-4 *321423882-0004*	E. END OF BLDG. C	12/29/2014	1260.00	9.5	100	0.002	12.1	0.004	
A-5 *321423882-0005*	W. END OF BLDG. C	12/29/2014	1260.00	<5.5	100	0.002	<7.01	<0.002	
A-6 *321423882-0006*	S. END OF BLDG. C	12/29/2014	1260.00	10.5	100	0.002	13.4	0.004	

The results reported have been blank corrected as applicable.

Analyst(s)

Rosa Mendoza (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.32, 21-50 fibers = 0.33, 51-100 fibers = 0.26. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC--IHLAP Accredited #102814

Initial report from 12/29/2014 15:01:45

Asbestos Chain of Custody

LA Testing Order Number (*Lab Use Only*): 321500442

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Company: Arcadis	LA Testing-Bill to: ☐ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street:	
City: Long Beach / State/Province:	Zip/Postal Code: / Country:
Report To (Name): Jeff Johnson	Fax #:
Telephone #:	Email Address:
Project Name/Number:	
Please Provide Results: ☐ Fax ☑ Email / Purchase Order:	U.S. State Samples Taken:

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☑ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours through 6 hours, please call ahead to schedule *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide*

PCM – Air
☑ NIOSH 7400
☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
☐ PLM EPA 600/R-93/116 (<1%)
☐ PLM EPA NOB (<1%)
Point Count
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
☐ NYS 198.1 (friable in NY)
☐ NYS 198.6 NOB (non-friable-NY)
☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP
☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
Fibers >10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
☐ Microvac - ASTM D 5755
☐ Wipe - ASTM D6480
☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
☐ PLM CARB 435 - A (0.25% sensitivity)
☐ PLM CARB 435 - B (0.1% sensitivity)
☐ TEM CARB 435 - B (0.1% sensitivity)
☐ TEM CARB 435 - C (0.01% sensitivity)
☐ EPA Protocol (Semi-Quantitative)
☐ EPA Protocol (Quantitative)

Other:
☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
815 B1	Field BK	—	1-8-15
815 B2	Sealed BK	—	1-8-15
815-5	outside wk area - downwind	600	
815-6	" " - upwind	600	
815-7	fence line - downwind	900	
815-8	fence line - upwind	900	"

Client Sample # (s): **Total # of Samples:**

Relinquished (Client): Bill Schemmer **Date:** 1-8-15 **Time:** 5:30pm

Received (Lab): [illegible] (WI) **Date:** 1-8-15 **Time:** 5:50 pm

Comments/Special Instructions:
e-mail results to Jeff Johnson
+ email results to LNATALE@SOCAL.RR.com

ARCADIS

ASBESTOS AIR SAMPLING LOG (Version 8.0 Revised 2012-02-24)

321500442

Page ___ of

Samples taken to Lot Testing

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Client: SMUSD Client Address:

Project Name:

Project #: CM0111447.0021

Project Location: SM

Work Area: Ex. Lot

Pass Phase Rings/HSE-NPL): N/A

Collection Date: 1-8-15

Project Monitor: Matthew Kobernus

Rotameter # & Cal. Date: LFL, HFI 2-14

Microscope Number:

Reference Slide (No. and F/Fields):

Checked by: Date: 1-8-15

Date of Analysis:

Microscope Cleaned:

Analyst Signature:

NIOSH 7400 Other:

Graticule Field Area:

Sample # (manufacturer number)	Sample Location or Worker Name / SSN / Task	Sample Type (1-10)	Sample Start/ Pump ID hh:mm (military)	Sample Stop hh:mm (military)	Time (Mins) [A]	Rotometer Flow Rate (LPM) Pre	Post	Ave [B]	Sample Volume (Liters) A*B=[C]	LOD (fibers/cc) (2.7/C)	Actual Count (F/Fields)	Adjusted Count * (F/Fields)	Result * (F/mm²)/ (F/CC)	Analyst ID Initials
B1	Field Blank													
B2	Field Blank													
1815-5	Outside work area downwind	7	0935	1435	300	2	2	2	600					
1815-6	Outside work area upwind	7	0940	1440	300	2	2	2	600					
1815-7	At fence line - Downwind NE	7	0945	1445	300	3	3	3	900					
1815-8	At fence line - Upwind SW	7	0950	1450	300	3	3	3	900					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) – Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * S_r/2 (or .225 if no S_r)											Pass/Fail	

*If Adjusted Count is less than or equal to 5 Fibers/100 Fields, then report Result as < LOD in f/cc (the value in the LOD column).
If original analysis and QC analysis results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a Failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust
6) Decon chamber 7) Non-Removal Area 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments:

Page 2 of
OrderID: 321500442

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321500442
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 01/08/15 5:50 PM
Analysis Date: 1/9/2015
Collected: 1/8/2015

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
1815B1 *321500442-0001*	FIELD BLANK	1/8/2015		<5.5	100		<7.01		Field Blank
1815B2 *321500442-0002*	SEALED BLANK	1/8/2015		<5.5	100		<7.01		Field Blank
1815-5 *321500442-0003*	OUTSIDE AREA DOWNWIND	1/8/2015	600.00	<5.5	100	0.004	<7.01	<0.005	
1815-6 *321500442-0004*	OUTSIDE AREA UPWIND	1/8/2015	600.00	<5.5	100	0.004	<7.01	<0.005	
1815-7 *321500442-0005*	FENCE LINE DOWNWIND	1/8/2015	900.00	<5.5	100	0.003	<7.01	<0.003	
1815-8 *321500442-0006*	FENCE LINE UPWINDE	1/8/2015	900.00	<5.5	100	0.003	<7.01	<0.003	

The results reported have been blank corrected as applicable.

Analyst(s)

Casandra swiger (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.32, 21-50 fibers = 0.33, 51-100 fibers = 0.26. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC--IHLAP Accredited #102814

Initial report from 01/09/2015 14:03:17

THIS IS THE LAST PAGE OF THE REPORT.

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only):*

LA TESTING
520 MISSION STREET
S. PASADENA, CA 91030
PHONE: (323) 254-9960
FAX: (323) 254-9982

Company: Arcadis	LA Testing-Bill to: ☐ Same ☐ Different If Bill to is Different note instructions in Comments**
Street:	*Third Party Billing requires written authorization from third party*
City: Long Beach State/Province:	Zip/Postal Code: Country:
Report To (Name): Jeff Johnson	Fax #:
Telephone #:	Email Address:
Project Name/Number:	
Please Provide Results: ☐ Fax ☐ Email	Purchase Order: U.S. State Samples Taken:

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☑ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours through 6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.*

PCM – Air
☑ NIOSH 7400
☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
☐ PLM EPA 600/R-93/116 (<1%)
☐ PLM EPA NOB (<1%)
Point Count
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
☐ NYS 198.1 (friable in NY)
☐ NYS 198.6 NOB (non-friable-NY)
☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT** (AHERA only)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP
☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
Fibers >10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

TEM - Dust
☐ Microvac - ASTM D 5755
☐ Wipe - ASTM D6480
☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
☐ PLM CARB 435 - A (0.25% sensitivity)
☐ PLM CARB 435 - B (0.1% sensitivity)
☐ TEM CARB 435 - B (0.1% sensitivity)
☐ TEM CARB 435 - C (0.01% sensitivity)
☐ **EPA Protocol (Semi-Quantitative)**
☐ EPA Protocol (Quantitative)

Other:
☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1815 B1	Field BK	—	1-8-15
1815 B2	Sealed BK	—	1-8-15
815-5	outside work area - downwind	600	
815-6	↓ ↓ - upwind	600	
815-7	fence line - downwind	900	
815-8	fence line - upwind	900	↓

Client Sample # (s): **Total # of Samples:**

Relinquished (Client): Kit Acheson **Date:** 1-8-15 **Time:** 5:30 pm

Received (Lab): Erin (WI) **Date:** 1-8-15 **Time:** 5:50 pm

Comments/Special Instructions:
e-mail results to Jeff Johnson
& email results to LNATALE@SOCAL.RR.com

ARCADIS

ASBESTOS AIR SAMPLING LOG (Version 8.0 Revised 2012-02-24)

Samples taken to LA Testing

PCM: NIOSH 7400 Method (Revision #3, Dated 8/15/1994)

Page ___ of

Client: SMUSD Client Address:

Project Name:

Project #: CM0111 44.021

Project Location: EM

Work Area: Ex. Lot

Pass Phase Rings/HSE-NPL: N/A

Collection Date: 1-8-15

Project Monitor: Arthur Robertson

Rotameter # & Cal. Date: LFL, RFI 2-14

Microscope Number:

Reference Slide (No. and F/Fields):

Checked by: Date: 1-8-15

Date of Analysis:

Microscope Cleaned:

Analyst Signature:

NIOSH 7400 Other:

Graticule Field Area:

Sample # (manufacturer number)	Sample Location or Worker Name / SSN / Task	Sample Type (1-10)	Sample Start/ Pump ID hh:mm (military)	Sample Stop hh:mm (military)	Time (Mins) [A]	Rotometer Flow Rate (LPM) Pre	Post	Ave [B]	Sample Volume (Liters) A*B = [C]	LOD (fibers/cc) (2.7/C)	Actual Count (F/Fields)	Adjusted Count * (F/Fields)	Result * (F/mm²)/ (F/CC)	Analyst ID Initials
B1	Field Blank	[redacted]												
B2	Field Blank													
1815-5	Outside work area downwind	7	0935	1435	300	2	2	2	600					
1815-6	Outside work area upwind	7	0940	1440	300	2	2	2	600					
1815-7	At fence line - Downwind NE	7	0945	1445	300	3	3	3	900					
1815-8	At fence line - Upwind SW	7	0950	1450	300	3	3	3	900					
	Duplicate Analysis													
	QA/QC Calculation (Counts are in fibers/mm²)	Abs Value [Sqr Root (first count) - Sqr Root (dup count)] ≤ 2.77 * (Avg of the sq Root of the two counts) * S_/2 (or .225 if no S_)												Pass/Fail

*If Adjusted Count is less than or equal to 5 Fibers/100 Fields, then report Result as < LOD in f/cc (the value in the LOD column).
If original analysis and QC analysis results are less than the analytical detection limit of 5.5 Fibers/100 Fields then a failed QC result is acceptable. N/A = Not Applicable

Sample Type: 1) Pre-Abatement/Background 2) Containment Barrier during Removal 3) Glove Bag Removal 4) Personal Exposure 5) HEPA Exhaust
6) Decon chamber 7) Non-Removal Area 8) Final Clearance 9) Waste Load-Out Activities 10) Other

Comments:

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321500443
CustomerID: ACAD78AK
CustomerPO:
ProjectID:

Attn: **Jeffery Johnson**
ARCADIS U.S., Inc.
3750 Schaufele Avenue
Suite 225
Long Beach, CA 90808

Phone: (562) 496-3000
Fax:
Received: 01/08/15 5:50 PM
Analysis Date: 1/9/2015
Collected: 1/7/2015

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
B1 *321500443-0001*	FIELD BLANK	1/7/2015		<5.5	100		<7.01		Field Blank
B2 *321500443-0002*	SEALED	1/7/2015		<5.5	100		<7.01		Field Blank
1715-1 *321500443-0003*	OUTSIDE WORK SITE DOWNWIND EAST	1/7/2015	600.00	<5.5	100	0.004	<7.01	<0.005	
1715-2 *321500443-0004*	OUTSIDE WORK SITE UPWIND WEST	1/7/2015	600.00	<5.5	100	0.004	<7.01	<0.005	
1715-3 *321500443-0005*	AT FENCE LINE DOWNWIND NORTHEAST	1/7/2015	600.00	<5.5	100	0.004	<7.01	<0.005	
1715-4 *321500443-0006*	AT FENCE LINE UPWIND SOUTHWEST	1/7/2015	600.00	<5.5	100	0.004	<7.01	<0.005	

The results reported have been blank corrected as applicable.

Analyst(s)

Casandra swiger (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.32, 21-50 fibers = 0.33, 51-100 fibers = 0.26. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC--IHLAP Accredited #102814

Initial report from 01/09/2015 14:04:46

THIS IS THE LAST PAGE OF THE REPORT.

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
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F: +1 805 526 7270
www.alsglobal.com

LABORATORY REPORT

December 19, 2014

Phil Skorge
ARCADIS U.S., Inc.
3750 Schaufele Ave
Long Beach, CA 90808

RE: Edison Language Academy / CM011144.0031

Dear Phil:

Enclosed are the results of the samples submitted to our laboratory on December 5, 2014. For your reference, these analyses have been assigned our service request number P1404944.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kate Aguilera at 1:16 pm, Dec 19, 2014

Kate Aguilera
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

Client: ARCADIS U.S., Inc. Service Request No: P1404944
Project: Edison Language Academy / CM011144.0031

CASE NARRATIVE

The samples were received intact under chain of custody on December 5, 2014 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Aroclors Analysis

The samples were extracted and analyzed for aroclors in accordance with EPA Method TO-4A. An aliquot of the extract was injected into a gas chromatograph with dual electron capture detectors (GC/ECD). This method is not included on the laboratory's DoD-ELAP or AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP scope of accreditation.

Sample extraction was performed at the laboratory's off-site extraction facility located at 2360 Shasta Way, Suite G, Simi Valley, CA 93065.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.pjlabs.com/search-accredited-labs	L14-2
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2014025
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	838341
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	CA200007
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413-14-5
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA016272014-4
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: ARCADIS U.S., Inc. Service Request: P1404944

Project ID: Edison Language Academy / CM011144.0031

Date Received: 12/5/2014

Time Received: 17:01

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	TO-4A - PCB High Vol
H-008	P1404944-001	Air	12/4/2014	16:00	X
H-016	P1404944-002	Air	12/4/2014	16:00	X
H-030	P1404944-003	Air	12/4/2014	16:00	X

Air - Chain of Custody Record & Analytical Service Request

Page _____ of _____

ALS
2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please ~~circle~~
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard

ALS Project No P1404944

Company Name & Address (Reporting Information)
Arcadis 3750 Schaufele Ave Suite 225
Long Beach, CA 90808

Project Name: Edison Language Academy

Project Number: CM011144.0031

ALS Contact:

Analysis Method

Project Manager: Jeffery L. Johnson

P.O. # / Billing Information: Same as report info

Phone: (562) 496-3020 Fax: (562) 496-2452

Email Address for Result Reporting

Sampler (Print & Sign): Steven Sanchez Steven Sanchez

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume			Comments e.g. Actual Preservative or specific instructions
H-008		12/4/14	0800-1600					110,400			230cpm x 480min
H-016		↓	↓					↓			
H-030		↓	↓					↓			

Report Tier Levels - please select

Tier I - Results (Default in not specified) _____ Tier III (Results + QC & Calibration Summaries) _____

Tier II (Results + QC Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____

EDD required YES / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Steven Sanchez	12/5/14	1700		12/5/14	~~0507~~ 1700
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature 11 °C gel

5 of 12

ALS Environmental
Sample Acceptance Check Form

Client: ARCADIS U.S., Inc. Work order: P1404944

Project: Edison Language Academy / CM011144.0031

Sample(s) received on: 12/5/14 Date opened: 12/5/14 by: KKELPE

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Container(s) **supplied by ALS**?	☒	☐	☐
3	Did **sample containers** arrive in good condition?	☒	☐	☐
4	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
5	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
6	Was **sample volume** received adequate for analysis?	☒	☐	☐
7	Are samples within specified holding times?	☒	☐	☐
8	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☒	☐	☐
	Cooler Temperature: 11° C Blank Temperature: ° C **Gel Packs**			
9	Was a **trip blank** received?	☐	☒	☐
10	Were **custody seals** on outside of cooler/Box?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
	Were custody seals on outside of sample container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
11	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
12	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
	Do they contain moisture?	☐	☐	☒
13	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1404944-001.01	PUF/Filter (High Vol)					
P1404944-002.01	PUF/Filter (High Vol)					
P1404944-003.01	PUF/Filter (High Vol)					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **H-008**
Client Project ID: **Edison Language Academy / CM011144.0031**

ALS Project ID: P1404944
ALS Sample ID: P1404944-001

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Zheng Wang
Sampling Media: PUF/Filter (High Volume) Cartridge
Test Notes:

Date Collected: 12/4/14
Date Received: 12/5/14
Date Extracted: 12/9/14
Date Analyzed: 12/15/14
Volume Sampled: 110.4 m^3
Final Extract Volume: 10 ml

Dilution Factor: 1.00

CAS #	Compound	Result ng/Cartridge	MRL ng/Cartridge	Result µg/m³	MRL µg/m³	Data Qualifier
12674-11-2	Aroclor 1016	ND	500	ND	0.0045	
11104-28-2	Aroclor 1221	ND	500	ND	0.0045	**X**
11141-16-5	Aroclor 1232	ND	500	ND	0.0045	**X**
53469-21-9	Aroclor 1242	ND	500	ND	0.0045	**X**
12672-29-6	Aroclor 1248	ND	500	ND	0.0045	**X**
11097-69-1	Aroclor 1254	ND	500	ND	0.0045	**X**
11096-82-5	Aroclor 1260	ND	500	ND	0.0045	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
X = See case narrative.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **H-016**
Client Project ID: **Edison Language Academy / CM011144.0031**

ALS Project ID: P1404944
ALS Sample ID: P1404944-002

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Zheng Wang
Sampling Media: PUF/Filter (High Volume) Cartridge
Test Notes:

Date Collected: 12/4/14
Date Received: 12/5/14
Date Extracted: 12/9/14
Date Analyzed: 12/15/14
Volume Sampled: 110.4 m³
Final Extract Volume: 10 ml

Dilution Factor: 1.00

CAS #	Compound	Result ng/Cartridge	MRL ng/Cartridge	Result µg/m³	MRL µg/m³	Data Qualifier
12674-11-2	Aroclor 1016	ND	500	ND	0.0045	
11104-28-2	Aroclor 1221	ND	500	ND	0.0045	**X**
11141-16-5	Aroclor 1232	ND	500	ND	0.0045	**X**
53469-21-9	Aroclor 1242	ND	500	ND	0.0045	**X**
12672-29-6	Aroclor 1248	ND	500	ND	0.0045	**X**
11097-69-1	Aroclor 1254	ND	500	ND	0.0045	**X**
11096-82-5	Aroclor 1260	ND	500	ND	0.0045	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
X = See case narrative.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **H-030**
Client Project ID: **Edison Language Academy / CM011144.0031**

ALS Project ID: P1404944
ALS Sample ID: P1404944-003

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Zheng Wang
Sampling Media: PUF/Filter (High Volume) Cartridge
Test Notes:

Date Collected: 12/4/14
Date Received: 12/5/14
Date Extracted: 12/9/14
Date Analyzed: 12/15/14
Volume Sampled: 110.4 m³
Final Extract Volume: 10 ml

Dilution Factor: 1.00

CAS #	Compound	Result ng/Cartridge	MRL ng/Cartridge	Result µg/m³	MRL µg/m³	Data Qualifier
12674-11-2	Aroclor 1016	ND	500	ND	0.0045	
11104-28-2	Aroclor 1221	ND	500	ND	0.0045	**X**
11141-16-5	Aroclor 1232	ND	500	ND	0.0045	**X**
53469-21-9	Aroclor 1242	ND	500	ND	0.0045	**X**
12672-29-6	Aroclor 1248	ND	500	ND	0.0045	**X**
11097-69-1	Aroclor 1254	ND	500	ND	0.0045	**X**
11096-82-5	Aroclor 1260	ND	500	ND	0.0045	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
X = See case narrative.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **Method Blank**
Client Project ID: **Edison Language Academy / CM011144.0031**

ALS Project ID: P1404944
ALS Sample ID: P141209-MB

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Zheng Wang
Sampling Media: PUF/Filter (High Volume) Cartridge
Test Notes:

Date Collected: NA
Date Received: NA
Date Extracted: 12/9/14
Date Analyzed: 12/15/14
Volume Sampled: NA m^3
Final Extract Volume: 10 ml

Dilution Factor: 1.00

CAS #	Compound	Result ng/Cartridge	MRL ng/Cartridge	Result µg/m³	MRL µg/m³	Data Qualifier
12674-11-2	Aroclor 1016	ND	500	NA	NA	
11104-28-2	Aroclor 1221	ND	500	NA	NA	**X**
11141-16-5	Aroclor 1232	ND	500	NA	NA	**X**
53469-21-9	Aroclor 1242	ND	500	NA	NA	**X**
12672-29-6	Aroclor 1248	ND	500	NA	NA	**X**
11097-69-1	Aroclor 1254	ND	500	NA	NA	**X**
11096-82-5	Aroclor 1260	ND	500	NA	NA	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
X = See case narrative.
NA = Not applicable.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **ARCADIS U.S., Inc.**
Client Project ID: **Edison Language Academy / CM011144.0031** ALS Project ID: P1404944

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Zheng Wang
Sampling Media: PUF/Filter (High Volume) Cartridge(s)
Test Notes:

Date(s) Collected: 12/4/14
Date(s) Received: 12/5/14
Date(s) Extracted: 12/09/14
Date(s) Analyzed: 12/15/14

Client Sample ID	ALS Sample ID	2,4,5,6-Tetrachloro-m-Xylene % Recovered	Acceptance Limits	Decachlorobiphenyl % Recovered	Acceptance Limits	Data Qualifier
Method Blank	P141209-MB	**75**	60-120	**95**	60-120	
Lab Control Sample	P141209-LCS	**91**	60-120	**106**	60-120	
Duplicate Lab Control Sample	P141209-DLCS	**82**	60-120	**99**	60-120	
H-008	P1404944-001	**64**	60-120	**88**	60-120	
H-016	P1404944-002	**64**	60-120	**84**	60-120	
H-030	P1404944-003	**68**	60-120	**92**	60-120	

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P1404944
Client Project ID: **Edison Language Academy / CM011144.0031** ALS Sample ID: P141209-DLCS

Test Code: EPA TO-4A Date Collected: NA
Instrument ID: HP6890/GC6/ECD/ECD Date Received: NA
Analyst: Zheng Wang Date Extracted: 12/9/14
Sampling Media: PUF/Filter (High Volume) Cartridge Date Analyzed: 12/15/14
Test Notes: Volume(s) Analyzed: NA m^3

CAS #	Compound	Spike Amount LCS / DLCS ng/ml	Result LCS ng/ml	Result DLCS ng/ml	% Recovery LCS	% Recovery DLCS	Project Acceptance Limits	RPD	RPD Limit	Data Qualifier
12674-11-2	Aroclor 1016	500	460	469	**92**	**94**	70-130	2	15	
11096-82-5	Aroclor 1260	500	544	577	**109**	**115**	70-130	5	15	

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F: +1 805 526 7270
www.alsglobal.com

LABORATORY REPORT

January 7, 2015

Jeffery Johnson
ARCADIS U.S., Inc.
3750 Schaufele Avenue, Suite 225
Long Beach, CA 90808

RE: Edison Language Academy / CM011144.0031

Dear Jeffery:

Enclosed are the results of the samples submitted to our laboratory on December 23, 2014. For your reference, these analyses have been assigned our service request number P1405191.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 4:06 pm, Jan 07, 2015

For Kate Aguilera
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
F: +1 805 526 7270
www.alsglobal.com

Client: ARCADIS U.S., Inc. Service Request No: P1405191
Project: Edison Language Academy / CM011144.0031

CASE NARRATIVE

The samples were received intact under chain of custody on December 23, 2014 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Aroclors Analysis

The samples were extracted and analyzed for selected aroclors in accordance with EPA Method TO-4A. An aliquot of each extract was injected into a gas chromatograph with dual electron capture detectors (GC/ECD). This method is not included on the laboratory's DoD-ELAP or AIHA-LAP scope of accreditation. Any analytes flagged with an X are not included on the laboratory's NELAP scope of accreditation.

Sample extraction was performed at the laboratory's off-site extraction facility located at 2360 Shasta Way, Suite G, Simi Valley, CA 93065.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

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Simi Valley, CA 93065
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www.alsglobal.com

ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.pjlabs.com/search-accredited-labs	L14-2
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2014025
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	838341
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	CA200007
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413-14-5
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA016272014-4
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: ARCADIS U.S., Inc. Service Request: P1405191

Project ID: Edison Language Academy / CM011144.0031

Date Received: 12/23/2014

Time Received: 17:00

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	TO-4A - PCB High Vol
Upwind (SE end of fence line) #H-019	P1405191-001	Air	12/23/2014	15:30	X
Downwind (NE end of fence line) #H-025	P1405191-002	Air	12/23/2014	15:30	X
Downwind (N. end of fence line) #48852	P1405191-003	Air	12/23/2014	15:30	X

Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle:
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard

ALS Project No. 1140519 1

ALS Contact:

Company Name & Address (Reporting Information)
Arcadis
3750 Schaufele Ave Suite 225
Long Beach, CA 90808

Project Name: Edison Language Academy

Project Number: CM011144.0031

Project Manager: Jeffery L Johnson

P.O. # / Billing Information: Same as report info

Phone: (714) 336-2745

Fax: (562) 496-2452

Email Address for Result Reporting: Jeffery.Johnson@arcadis-us.com

Sampler (Print & Sign): Shawn Sanchez

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	Analysis Method		Comments e.g. Actual Preservative or specific instructions
Upwind (SE end of fence line) # H-019		12/23/14	0730-1530					111.360			2326cpm X 480min
Downwind (NE end of fence line) # H-025											
(Non-Certified)											

Report Tier Levels - please select

Tier I - Results (Default in not specified) _____
Tier II (Results + QC Summaries _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Date Validation Package) 10% Surcharge _____

EDD required YES / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature) Shawn Sanchez	Date: 12/23/14	Time: 1530	Received by: (Signature)	Date: 12/23/14	Time: 3:35	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date: 12/23/14	Time: 1700	Cooler / Blank Temperature 14 °C

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10-Day-Standard

ALS Project No: 1405191

Company Name & Address (Reporting Information): Arcadis 3750 Schaufele Ave Suite 225 Long Beach, CA 90808

Project Name: Edison Language Academy

Project Number: CM011144.0031

Project Manager: Jeffery L. Johnson

P.O. # / Billing Information: Same as report Info

Phone: (714) 336-2745 Fax: (562) 496-2452

Email Address for Result Reporting: Jeffery.Johnson@arcadis-US.com

Sampler (Print & Sign): Jillian Sanchez

ALS Contact:

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	Analysis Method	Comments e.g. Actual Preservative or specific instructions
Down Wind (N. end of fence line) # 48852 (certified)		12/23/14	0730-1530					111,360		23.4pm x 480 min

Report Tier Levels - please select

Tier I - Results (Default in not specified) _____ Tier II (Results + QC Summaries _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Date Validation Package) 10% Surcharge _____

EDD required YES / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Jillian Sanchez	12/23/14	1530		12/23/14	2:35
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				12/23/14	1700

Cooler / Blank Temperature 14 °C

6 of 13

ALS Environmental
Sample Acceptance Check Form

Client: ARCADIS U.S., Inc. Work order: P1405191

Project: Edison Language Academy / CM011144.0031

Sample(s) received on: 12/23/14 Date opened: 12/23/14 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Container(s) **supplied by ALS**?	☒	☐	☐
3	Did **sample containers** arrive in good condition?	☒	☐	☐
4	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
5	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
6	Was **sample volume** received adequate for analysis?	☒	☐	☐
7	Are samples within specified holding times?	☒	☐	☐
8	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☒	☐	☐
	Cooler Temperature: 14° C Blank Temperature: ° C			
9	Was a **blank** received?	☐	☒	☐
10	Were **custody seals** on outside of cooler/Box?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
	Were custody seals on outside of sample container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
11	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
12	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
	Do they contain moisture?	☐	☐	☒
13	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1405191-001.01	PUF/Filter (High Vol)					
P1405191-002.01	PUF/Filter (High Vol)					
P1405191-003.01	PUF/Filter (High Vol)					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **Upwind (SE end of fence line) #H-019**
Client Project ID: **Edison Language Academy / CM011144.0031**

ALS Project ID: P1405191
ALS Sample ID: P1405191-001

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Madeleine Dangazyan
Sampling Media: PUF/Filter (High Volume) Cartridge
Test Notes:

Date Collected: 12/23/14
Date Received: 12/23/14
Date Extracted: 12/29/14
Date Analyzed: 12/31/14
Volume Sampled: 111.360 m³
Final Extract Volume: 10 ml

Dilution Factor: 1.00

CAS #	Compound	Result ng/Cartridge	MRL ng/Cartridge	Result µg/m³	MRL µg/m³	Data Qualifier
12674-11-2	Aroclor 1016	ND	500	ND	0.0045	
11104-28-2	Aroclor 1221	ND	500	ND	0.0045	**X**
11141-16-5	Aroclor 1232	ND	500	ND	0.0045	**X**
53469-21-9	Aroclor 1242	ND	500	ND	0.0045	**X**
12672-29-6	Aroclor 1248	ND	500	ND	0.0045	**X**
11097-69-1	Aroclor 1254	ND	500	ND	0.0045	**X**
11096-82-5	Aroclor 1260	ND	500	ND	0.0045	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
X = See case narrative.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **Downwind (NE end of fence line) #H-025**
Client Project ID: **Edison Language Academy / CM011144.0031**

ALS Project ID: P1405191
ALS Sample ID: P1405191-002

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Madeleine Dangazyan
Sampling Media: PUF/Filter (High Volume) Cartridge
Test Notes:

Date Collected: 12/23/14
Date Received: 12/23/14
Date Extracted: 12/29/14
Date Analyzed: 12/31/14
Volume Sampled: 111.360 m³
Final Extract Volume: 10 ml

Dilution Factor: 1.00

CAS #	Compound	Result ng/Cartridge	MRL ng/Cartridge	Result µg/m³	MRL µg/m³	Data Qualifier
12674-11-2	Aroclor 1016	ND	500	ND	0.0045	
11104-28-2	Aroclor 1221	ND	500	ND	0.0045	**X**
11141-16-5	Aroclor 1232	ND	500	ND	0.0045	**X**
53469-21-9	Aroclor 1242	ND	500	ND	0.0045	**X**
12672-29-6	Aroclor 1248	ND	500	ND	0.0045	**X**
11097-69-1	Aroclor 1254	ND	500	ND	0.0045	**X**
11096-82-5	Aroclor 1260	ND	500	ND	0.0045	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
X = See case narrative.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **Downwind (N. end of fence line) #48852**
Client Project ID: **Edison Language Academy / CM011144.0031**

ALS Project ID: P1405191
ALS Sample ID: P1405191-003

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Madeleine Dangazyan
Sampling Media: PUF/Filter (High Volume) Cartridge
Test Notes:

Date Collected: 12/23/14
Date Received: 12/23/14
Date Extracted: 12/29/14
Date Analyzed: 12/31/14
Volume Sampled: 111.360 m³
Final Extract Volume: 10 ml

Dilution Factor: 1.00

CAS #	Compound	Result ng/Cartridge	MRL ng/Cartridge	Result µg/m³	MRL µg/m³	Data Qualifier
12674-11-2	Aroclor 1016	ND	500	ND	0.0045	
11104-28-2	Aroclor 1221	ND	500	ND	0.0045	**X**
11141-16-5	Aroclor 1232	ND	500	ND	0.0045	**X**
53469-21-9	Aroclor 1242	ND	500	ND	0.0045	**X**
12672-29-6	Aroclor 1248	ND	500	ND	0.0045	**X**
11097-69-1	Aroclor 1254	ND	500	ND	0.0045	**X**
11096-82-5	Aroclor 1260	ND	500	ND	0.0045	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
X = See case narrative.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **Method Blank**
Client Project ID: **Edison Language Academy / CM011144.0031**

ALS Project ID: P1405191
ALS Sample ID: P141229-MB

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Madeleine Dangazyan
Sampling Media: PUF/Filter (High Volume) Cartridge
Test Notes:

Date Collected: NA
Date Received: NA
Date Extracted: 12/29/14
Date Analyzed: 12/31/14
Volume Sampled: NA m^3
Final Extract Volume: 10 ml

Dilution Factor: 1.00

CAS #	Compound	Result ng/Cartridge	MRL ng/Cartridge	Result µg/m³	MRL µg/m³	Data Qualifier
12674-11-2	Aroclor 1016	ND	500	NA	NA	
11104-28-2	Aroclor 1221	ND	500	NA	NA	**X**
11141-16-5	Aroclor 1232	ND	500	NA	NA	**X**
53469-21-9	Aroclor 1242	ND	500	NA	NA	**X**
12672-29-6	Aroclor 1248	ND	500	NA	NA	**X**
11097-69-1	Aroclor 1254	ND	500	NA	NA	**X**
11096-82-5	Aroclor 1260	ND	500	NA	NA	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
X = See case narrative.
NA = Not applicable.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **ARCADIS U.S., Inc.**
Client Project ID: **Edison Language Academy / CM011144.0031** ALS Project ID: P1405191

Test Code: EPA TO-4A
Instrument ID: HP6890/GC6/ECD/ECD
Analyst: Madeleine Dangazyan
Sampling Media: PUF/Filter (High Volume) Cartridge(s)
Test Notes:

Date(s) Collected: 12/23/14
Date(s) Received: 12/23/14
Date(s) Extracted: 12/29/14
Date(s) Analyzed: 12/31/14

Client Sample ID	ALS Sample ID	2,4,5,6-Tetrachloro-m-Xylene % Recovered	2,4,5,6-Tetrachloro-m-Xylene Acceptance Limits	Decachlorobiphenyl % Recovered	Decachlorobiphenyl Acceptance Limits	Data Qualifier
Method Blank	P141229-MB	**81**	60-120	**85**	60-120	
Lab Control Sample	P141229-LCS	**83**	60-120	**77**	60-120	
Duplicate Lab Control Sample	P141229-DLCS	**82**	60-120	**78**	60-120	
Upwind (SE end of fence line) #H-019	P1405191-001	**60**	60-120	**82**	60-120	
Downwind (NE end of fence line) #H-025	P1405191-002	**60**	60-120	**82**	60-120	
Downwind (N. end of fence line) #48852	P1405191-003	**67**	60-120	**88**	60-120	

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LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Client: **ARCADIS U.S., Inc.**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P1405191
Client Project ID: **Edison Language Academy / CM011144.0031** ALS Sample ID: P141229-DLCS

Test Code: EPA TO-4A Date Collected: NA
Instrument ID: HP6890/GC6/ECD/ECD Date Received: NA
Analyst: Madeleine Dangazyan Date Extracted: 12/29/14
Sampling Media: PUF/Filter (High Volume) Cartridge Date Analyzed: 12/31/14
Test Notes: Volume(s) Analyzed: NA m^3

CAS #	Compound	Spike Amount LCS / DLCS ng/ml	Result LCS ng/ml	Result DLCS ng/ml	% Recovery LCS	% Recovery DLCS	Project Acceptance Limits	RPD	RPD Limit	Data Qualifier
12674-11-2	Aroclor 1016	500	412	458	**82**	**92**	70-130	11	15	
11096-82-5	Aroclor 1260	500	474	478	**95**	**96**	70-130	1	15	

ARCADIS

Attachment H

EPA Remediation Plan Approval Email (E. Wood, personal communication, December 12, 2014)

From: Stroing, Jim <jstroing@smmusd.org>
Sent: Saturday, December 13, 2014 9:09 AM
To: Skorge,Phil; Johnson, Jeffery L
Cc: Mark Nelson; Miller, Bob; Dodd, Jason; Edwin Vargas; Sam, Stuart; Staib, Kathy; Nick Flores; Marcus Reese; Jose Gonzalez
Subject: FW: EPA Response to Edison PCB Remediation Plan Received

Phil,

See below, we have authorization to move forward with abatement of the library. We can't start abatement until Monday 12-22-14, or maybe next Saturday.

So please start on your report summarizing the remediation activities, pursuant to TSCA.

Thanks,

Jim Stroing
Construction Manager/Superintendent
SMMUSD
Cell: (310-237-3086)
jstroing@smmusd.org
jstroing@califcm.com

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From: Eric Wood [mailto:eswood@environcorp.com]
Sent: Friday, December 12, 2014 6:12 PM
To: Sam, Stuart
Cc: Dodd, Jason; Miller, Bob; Staib, Kathy; Stroing, Jim; evargas@matrixla.net; Jason Wilkinson; Doug Daugherty; Carol Serlin; Farshad Razmdjoo
Subject: EPA Response to Edison PCB Remediation Plan Received

Hello Stuart,

I just received an email from EPA that they concur with our PCB Remediation Plan for Edison Elementary School. Therefore, the PCB remediation, as outlined in the plan, can proceed on your schedule.

I know that you have not had a chance to return the voice mails or email I sent to you about having Arcadis observe the remediation. I assume this is still how you are proceeding, so if you haven't notified Arcadis yet, you may want to make them aware that they will need to prepare the report summarizing the remediation activities, pursuant to TSCA, and should conduct their observations accordingly.

Best of luck with the remediation and please don't hesitate to contact Jason or me if you have any questions or want to discuss anything.

Regards,

Eric

ENVIRON

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