

Wickham, Jerry, Env. Health

From: Kalve, Erica <Erica.Kalve@arcadis-us.com>
Sent: Tuesday, April 07, 2015 12:05 PM
To: Wickham, Jerry, Env. Health; Santos, Carmen (Santos.Carmen@epa.gov)
Cc: Tim Simon (Tim.Simon@aspirepublicschools.org); Tan, Angeline
Subject: Update - 1009 66th Avenue, Oakland, CA
Attachments: Aspire_Air Monitoring Logs and Charts_040615.pdf

Dear Jerry and Carmen,

Thank you again for your support and approval for construction of the gymnasium building at the Aspire school site located at 1009 66th Avenue in Oakland, California (the site). This email provides a brief summary of construction activities conducted and air monitoring results to date. We would also like to notify you that the vapor intrusion mitigation system is in the process of being installed and we estimate that the vapor barrier smoke test and final qaqc procedures will be implemented tomorrow (Wednesday April 8). Please let us know if you are interested in observing the smoke test and qaqc evaluation so that we can provide more details regarding the timing.

Throughout the project duration, ARCADIS has been providing air monitoring support to ensure that dust action levels are not exceeded. The general construction activities have included site clearing and grading, additional geotechnical evaluations, footing excavations, installation of building forms, utility installation including rough plumbing and electric, and installation of the rock base. Attached for your review is a table and chart summarizing daily average dust concentrations measured at the three monitoring locations (upwind, downwind, and crosswind locations) through March 26, 2015. As shown, dust concentrations have remained below the action level of 0.050 mg/m³ (above background levels). Results from last week are similarly below the daily action level and results will be summarized in the next email update. Additionally, the 10-minute average action level of 0.250 mg/m³ (above background) has not been exceeded during the construction activities conducted to date.

Note that construction activities were not implemented daily due to small delays with various tasks of the construction project. Air monitoring was implemented on days when site construction activities were being conducted, meanwhile dust suppression activities were implemented daily during the work week (regardless of construction activities) and on some weekend days. A detailed summary of air monitoring results will be provided after the intrusive site construction activities are complete (currently estimated for early next week). Also, for your information, ARCADIS will provide a summary of soil management activities under a separate email.

Please let us know if you have any questions about the air monitoring results, or if you are interested in observing the smoke test tomorrow.

We look forward to hearing from you.
Sincerely,
Erica

Please note my new contact information is provided below.

Erica Kalve, PG | Senior Geologist | erica.kalve@arcadis-us.com

ARCADIS U.S., Inc. | 100 Smith Ranch Road, Suite 329 | San Rafael, CA, 94903
T. 415.491.4530 ext. 22 | M. 510.206.4514 | F. 415.491.4532
www.arcadis-us.com

Table 1
Daily Average Dust Concentrations Measured
During Construction of the Gymnasium Building
1009 66th Avenue, Oakland, California

(concentrations reported in milligrams per cubic meter)

Date	Daily Average			Upwind - Downwind	Upwind - Crosswind
	Upwind	Downwind	Crosswind		
Daily Average Action Level				0.050	0.050
3/9/2015	0.027	0.057	0.044	-0.030	-0.017
3/11/2015	0.039	0.016	0.047	0.023	-0.008
3/13/2015	0.022	0.026	0.047	-0.004	-0.025
3/16/2015	0.018	0.015	0.009	0.003	0.009
3/19/2015	0.047	0.026	0.022	0.021	0.025
3/20/2015	0.032	0.009	0.053	0.023	-0.021
3/23/2015	0.013	0.010	0.018	0.003	-0.005
3/24/2015	0.016	0.011	0.014	0.005	0.002
3/25/2015	0.018	0.009	0.008	0.009	0.010
3/26/2015	0.040	0.025	0.025	0.015	0.015

Daily Average Dust Concentrations Measured During Construction
March 9 through 26, 2015

