

September 5, 2006

Halah Voges
The RETEC Group, Inc.
1011 SW Klickitat Way, Suite 207
Seattle, Washington 98134-1162

RE: WEEKLY AIR MONITORING REPORT
JULY 31 – AUGUST 5, 2006
Levee Zone Interim Action
Skykomish, Washington

Ms. Voges,

This report represents the tenth report of weekly air monitoring data for the BNSF Skykomish levee zone interim action for the town of Skykomish, Washington conducted by Argus Pacific, Inc. (Argus Pacific) during the week of July 31 through August 5, 2006. The purpose of this report is to summarize and interpret air and noise sampling data collected in the City of Skykomish during the levee zone interim action conducted by The RETEC Group (RETEC). Argus Pacific conducted monitoring in accordance with the BNSF Skykomish Air and Noise Monitoring Plan issued by Argus Pacific on June 20, 2006.

WORK ACTIVITIES

Argus Pacific collected chemical and respirable dust samples and noise measurements on August 1 and August 3, 2006. RETEC technicians collected respirable dust samples and noise measurements on July 31, and August 2, 4, and 5 of that week. During sampling, workers moved and hauled dirt from the cofferdam to the railyard, and screened dirt at the railyard. A water truck wetted roadways and a street sweeper removed rocks from the roadway.

SAMPLING METHODOLOGY

All samples were collected in accordance with the methods specified in the BNSF Skykomish Air and Noise Monitoring Plan. Please refer to this Plan for specific details on sampling methodology.

On August 1, 2006, Argus Pacific collected air samples at the southeast exit from the railyard and on the west side of the bridge directly east of the excavation. Samples were analyzed for lead, arsenic, petroleum hydrocarbons (Naphthas), polynuclear aromatic hydrocarbons (PAHs), and diesel particulate. On August 3, 2006, Argus Pacific collected samples for lead, arsenic, and Naphthas in the same locations.

Argus Pacific also conducted respirable dust monitoring and community noise monitoring at both of the aforementioned locations. Community noise monitors were placed at the northwest corner of the railyard and at the southeast corner of the bridge. On days during the week that Argus Pacific was not on site (July 31, and August 2, 4, and 5), RETEC employees conducted respirable dust monitoring and community noise monitoring at the northwest corner of the railyard and at the bridge.

Approximate air and noise sample locations are indicated on the attached Air and Noise Monitoring Sample Locations Plan.

SAMPLING RESULTS

None of the target compounds were identified at or above the laboratory limit of detection at either of the two sampling stations. Respirable dust concentrations and community noise levels were below project action limits during sampling for the entire week. Laboratory results, and dust and noise monitoring data are attached.

AUGUST 1, 2006

RAILYARD SAMPLES – SCREENING AND HAULING DIRT

SAMPLE ID	COMPOUND	SAMPLE TIME	LIMIT OF DETECTION	RESULT	MONITORING PLAN LIMIT
0801-RS-LA	Lead	497 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
	Arsenic	497 minutes	4.0 µg/m ³	<4.0 µg/m ³	10 µg/m ³
0801-LA-FB	Lead	Field Blank	2.0 µg/sample	ND	NA
	Arsenic	Field Blank	4.0 µg/sample	ND	NA
0801-RS-N	Naphthas	497 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
0801-N-FB	Naphthas	Field Blank	0.01 mg/sample	ND	NA
0801-RS-DP	Diesel Particulate (as Elemental Carbon)	497 minutes	1.3 µg/m ³	<1.3 µg/m ³	20 µg/m ³
0801-DP-FB	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
0801-RS-PAH	PAHs (as benzene solubles)	497 minutes	0.05 mg/m ³	<0.05 mg/m ³	0.2 mg/m ³
0801-PAH-FB	PAHs (as benzene solubles)	Field Blank	0.05 mg/m ³	ND	NA

BRIDGE SAMPLES – EXCAVATING, HAULING DIRT

SAMPLE ID	COMPOUND	SAMPLE TIME	LIMIT OF DETECTION	RESULT	MONITORING PLAN LIMIT
0801-B-LA	Lead	496 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
	Arsenic	496 minutes	4.0 µg/m ³	<4.0 µg/m ³	10 µg/m ³
0801-B-N	Naphthas	496 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
0801-B-DP	Diesel Particulate (as Elemental Carbon)	496 minutes	1.3 µg/m ³	<1.3 µg/m ³	20 µg/m ³
0801-B-PAH	PAHs (as benzene solubles)	496 minutes	0.05 mg/m ³	<0.05 mg/m ³	0.2 mg/m ³

AUGUST 3, 2006**RAILYARD SAMPLES – SCREENING AND HAULING DIRT**

SAMPLE ID	COMPOUND	SAMPLE TIME	LIMIT OF DETECTION	RESULT	MONITORING PLAN LIMIT
0803-RS-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
	Arsenic	480 minutes	5.3 µg/m ³	<5.3 µg/m ³	10 µg/m ³
0803-RS-N	Naphthas	480 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³

BRIDGE SAMPLES – EXCAVATING, HAULING DIRT

SAMPLE ID	COMPOUND	SAMPLE TIME	LIMIT OF DETECTION	RESULT	MONITORING PLAN LIMIT
0803-B-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
	Arsenic	480 minutes	5.2 µg/m ³	<5.2 µg/m ³	10 µg/m ³
0803-B-N	Naphthas	480 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³

JULY 31 THROUGH AUGUST 5, 2006

RESPIRABLE DUST MONITORING RESULTS - RAILYARD

SAMPLE NUMBERS	DATE SAMPLE COLLECTED	PEAK CONCENTRATION (ONE MINUTE)	AVERAGE CONCENTRATION	MONITORING PLAN LIMIT
DataRam4, Serial #D417 Tag 43	July 31, 2006	496 µg/m ³	7.5 µg/m ³	5,000 µg/m ³
DataRam4, Serial #D417 Tag 44	August 1, 2006	367 µg/m ³	10.6 µg/m ³	
DataRam4, Serial #D416 Tag 31	August 2, 2006	176 µg/m ³	4.4 µg/m ³	
DataRam4, Serial #D417 Tag 46	August 3, 2006	63 µg/m ³	4.0 µg/m ³	
DataRam4, Serial #D417 Tag 47	August 4, 2006	121 µg/m ³	5.4 µg/m ³	
DataRam4, Serial #D416 Tag 48	August 5, 2006	249 µg/m ³	12.6 µg/m ³	

RESPIRABLE DUST MONITORING RESULTS – BRIDGE

SAMPLE NUMBERS	DATE SAMPLE COLLECTED	PEAK CONCENTRATION (ONE MINUTE)	AVERAGE CONCENTRATION	MONITORING PLAN LIMIT
DataRam4, Serial #D416 Tag 29	July 31, 2006	134 µg/m ³	2.7 µg/m ³	5,000 µg/m ³
DataRam4, Serial #D416 Tag 30	August 1, 2006	60 µg/m ³	3.5 µg/m ³	
DataRam4, Serial #D417 Tag 45	August 2, 2006	362 µg/m ³	17.6 µg/m ³	
DataRam4, Serial #D416 Tag 32	August 3, 2006	122 µg/m ³	22.6 µg/m ³	
DataRam4, Serial #D416 Tag 33	August 4, 2006	349 µg/m ³	30.6 µg/m ³	
DataRam4, Serial #D416 Tag 34	August 5, 2006	189 µg/m ³	7.4 µg/m ³	

COMMUNITY NOISE MONITORING - RAILYARD

DATE OF MONITORING	AVERAGE NOISE LEVEL	MAXIMUM NOISE LEVEL	MONITORING PLAN LIMIT
July 31, 2006	77.6 dB	115.1 dB	85 dB
August 1, 2006	75.7 dB	115.2 dB	
August 2, 2006	79.8 dB	116.1 dB	
August 3, 2006	76.2 dB	112.7 dB	
August 4, 2006	76.1 dB	113.1 dB	
August 5, 2006	81.4 dB	115.1 dB	

COMMUNITY NOISE MONITORING - BRIDGE

DATE OF MONITORING	AVERAGE NOISE LEVEL	MAXIMUM NOISE LEVEL	MONITORING PLAN LIMIT
July 31, 2006	68.7 dB	107.3dB	80 dB
August 1, 2006	63.5 dB	91.0 dB	
August 2, 2006	68.8 dB	103.1 dB	
August 3, 2006	66.2 dB	95.5 dB	
August 4, 2006	67.6 dB	99.7 dB	
August 5, 2006	68.2 dB	99.0 dB	

CONCLUSIONS

Based on this data, the excavating, dirt hauling, and screening conducted during the week of July 31 through August 5, 2006 did not release the contaminants of concern or respirable dust in concentrations above the project action limits specified in the BNSF Skykomish Air and Noise Monitoring Plan for the areas monitored.

The average noise levels documented during the week of July 31 to August 5, 2006 were below the project action limit for community noise in the areas monitored. Maximum noise levels were recorded above the project action level at both locations. These exceedances were for extremely short durations and occurred when BNSF trains passed through the town and during some heavy equipment operations.

Although the elevated noise limits are above the project action limit, they do not exceed the King County Noise Code or the Skykomish Municipal Noise Code, which allow for any source of construction noise that is of short duration to be increased by:

- 5 dB(A) for a total of fifteen minutes in any one-hour period; or
- 10 dB(A) for a total of five minutes in any one-hour period; or
- 15 dB(A) for a total of one and one-half minutes in any one-hour period.

All readings greater than 100 dB for the railyard and bridge monitoring stations were instantaneous readings that occurred while a train passed through town. Since train noise is exempt from the applicable noise codes, no exceedances of County or Municipal Code were recorded at either location during the monitoring period.

We appreciate this opportunity to be of service to you. Please contact us at (206) 285-3373 if you have questions regarding this report, or if you require additional information.

Sincerely,

Alex Peck (RV)

Alex Peck
Industrial Hygienist

Reviewed by,

Elisabeth Black (RV)

Elisabeth Black, CIH
Argus Pacific, Inc.

Attachments:

Air and Noise Monitoring Sample Locations Plan (07/31/06 to 08/05/06)

Laboratory Certificates of Analysis

DataChem Laboratories, Batch #061-4083-01
DataChem Laboratories, Batch #061-4083-02
DataChem Laboratories, Batch #061-4083-03
DataChem Laboratories, Batch #061-4083-04
DataChem Laboratories, Batch #061-4151-01
DataChem Laboratories, Batch #061-4151-02

DataRam4 data for instrument D-417 (07/31/06)
DataRam4 data for instrument D-417 (08/01/06)
DataRam4 data for instrument D-417 (08/02/06)
DataRam4 data for instrument D-417 (08/03/06)
DataRam4 data for instrument D-417 (08/04/06)
DataRam4 data for instrument D-417 (08/05/06)

DataRam4 data for instrument D-416 (07/31/06)
DataRam4 data for instrument D-416 (08/01/06)
DataRam4 data for instrument D-416 (08/02/06)
DataRam4 data for instrument D-416 (08/03/06)
DataRam4 data for instrument D-416 (08/04/06)
DataRam4 data for instrument D-416 (08/05/06)

Larson Davis 820 Noise Data – Bridge (07/31/06 – 08/05/06)
Larson Davis 820 Noise Data – Railyard (07/31/06 – 08/05/06)