

September 19, 2006

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

**RE: WEEKLY AIR AND NOISE MONITORING REPORT
AUGUST 14 – AUGUST 19, 2006
Levee Zone Interim Action
Skykomish, Washington**

Ms. Voges,

This document represents the twelfth report of weekly air and noise 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 August 14 through August 19, 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, and amended on August 5, 2006.

WORK ACTIVITIES

Argus Pacific collected chemical and respirable dust samples and noise measurements on August 14 and August 17, 2006. RETEC technicians collected respirable dust samples and noise measurements on August 15, 16, 18, and 19 of that week.

During sampling, workers excavated materials in the levee zone west of the bridge, trucks moved and hauled dirt from the levee to the railyard, power screening of soils at the railyard, and workers cleaned up contaminated water. Large rocks were imported to the levee zone and backfilling of cleaned areas began. 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 14, 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, in a downwind direction relative to construction activities. Samples were analyzed for lead, arsenic, petroleum hydrocarbons (Naphthas), polynuclear aromatic hydrocarbons (PAHs), and diesel particulate. On August 17, 2006, Argus Pacific collected samples for lead, arsenic, and Naphthas in the same locations, also in a downwind direction relative to construction activities.

Argus Pacific also conducted respirable dust monitoring and community noise monitoring at both of the aforementioned locations. Community noise monitors were placed at the southeast exit from the railyard and at the southeast corner of the bridge, in a downwind direction relative to construction activities. On days during the week when Argus Pacific was not on site (August 15, 16, 18, 19), RETEC employees conducted respirable dust monitoring and community noise monitoring at the same bridge location. RETEC placed the second set of instruments for respirable dust monitoring and community noise monitoring at the northwest corner of the railyard instead of the southeast corner of the railyard to address tourist and public traffic at the intersection of Railroad Avenue and 5th Street.

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

SAMPLING RESULTS

A detectable concentration of diesel particulate matter was found in the sample collected at the bridge on August 14, 2006. None of the other 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 14, 2006

RAILYARD (SE EXIT) SAMPLES – SCREENING AND HAULING DIRT

SAMPLE ID	COMPOUND	SAMPLE TIME	LIMIT OF DETECTION	RESULT	MONITORING PLAN LIMIT
0814-RS-LA	Lead	511 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
	Arsenic	511 minutes	2.0 µg/m ³	<2.0 µg/m ³	10 µg/m ³
0814-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
	Arsenic	Field Blank	2.0 µg/sample	ND	NA
0814-RS-N	Naphthas	511 minutes	0.48mg/m ³	<0.48 mg/m ³	100 mg/m ³
0814-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
0814-RS-DP	Diesel Particulate (as Elemental Carbon)	511 minutes	1.3 µg/m ³	<1.3 µg/m ³	20 µg/m ³
0814-FB-DP	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
0814-RS-PAH	PAHs (as benzene solubles)	511 minutes	0.020 mg/m ³	<0.020 mg/m ³	0.2 mg/m ³
0814-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.02 mg/m ³	ND	NA

BRIDGE SAMPLES – EXCAVATING, HAULING DIRT, BACKFILLING, CLEANING UP CONTAMINATED WATER

SAMPLE ID	COMPOUND	SAMPLE TIME	LIMIT OF DETECTION	RESULT	MONITORING PLAN LIMIT
0814-B-LA	Lead	512 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
	Arsenic	512 minutes	2.0 µg/m ³	<2.0 µg/m ³	10 µg/m ³
0814-B-N	Naphthas	512 minutes	0.48 mg/m ³	<0.48 mg/m ³	100 mg/m ³
0814-B-DP	Diesel Particulate (as Elemental Carbon)	512 minutes	1.3 µg/m ³	2.4 µg/m ³	20 µg/m ³
0814-B-PAH	PAHs (as benzene solubles)	512 minutes	0.020 mg/m ³	<0.020 mg/m ³	0.2 mg/m ³

AUGUST 17, 2006

RAILYARD SAMPLES – SCREENING AND HAULING DIRT

SAMPLE ID	COMPOUND	SAMPLE TIME	LIMIT OF DETECTION	RESULT	MONITORING PLAN LIMIT
0817-RS-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
	Arsenic	480 minutes	4.2 µg/m ³	<4.2 µg/m ³	10 µg/m ³
0817-RS-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³

**BRIDGE SAMPLES – EXCAVATING, HAULING DIRT, BACKFILLING,
CLEANING UP CONTAMINATED WATER**

SAMPLE ID	COMPOUND	SAMPLE TIME	LIMIT OF DETECTION	RESULT	MONITORING PLAN LIMIT
0817-B-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
	Arsenic	480 minutes	4.2 µg/m ³	<4.2 µg/m ³	10 µg/m ³
0817-B-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³

AUGUST 14 THROUGH AUGUST 19, 2006

RESPIRABLE DUST MONITORING RESULTS - RAILYARD

SAMPLE NUMBERS	DATE SAMPLE COLLECTED	PEAK CONCENTRATION (ONE MINUTE)	AVERAGE CONCENTRATION	MONITORING PLAN LIMIT
DataRam4, Serial #D417 Tag 55	August 14, 2006	83 µg/m ³	9.1 µg/m ³	5,000 µg/m ³
DataRam4, Serial #D417 Tag 56	August 15, 2006	318 µg/m ³	17.8 µg/m ³	
DataRam4, Serial #D417 Tag 57	August 16, 2006	1,658 µg/m ³	17.7 µg/m ³	
DataRam4, Serial #D417 Tag 58	August 17, 2006	384 µg/m ³	14.7 µg/m ³	
DataRam4, Serial #D417 Tag 59	August 18, 2006	189 µg/m ³	17.2 µg/m ³	
DataRam4, Serial #D417 Tag 60	August 19, 2006	99 µg/m ³	16.4 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 41	August 14, 2006	80 µg/m ³	9.1 µg/m ³	5,000 µg/m ³
DataRam4, Serial #D416 Tag 42	August 15, 2006	320 µg/m ³	7.7 µg/m ³	
DataRam4, Serial #D416 Tag 43	August 16, 2006	40 µg/m ³	5.6 µg/m ³	
DataRam4, Serial #D416 Tag 44	August 17, 2006	35 µg/m ³	9.8 µg/m ³	
DataRam4, Serial #D416 Tag 45	August 18, 2006	297 µg/m ³	13.9 µg/m ³	
DataRam4, Serial #D416 Tag 46	August 19, 2006	124 µg/m ³	19.0 µg/m ³	

AUGUST 15, 2006

NOISE MONITORING RESULTS FROM HAND-HELD QUEST SOUND LEVEL METER

LOCATION	ACTIVITY	SOUND LEVEL AT PROPERTY LINE OR 50 FEET	MONITORING PLAN LIMIT
West side of N 5 th St, fifty feet south of bridge	NRC Environmental vacuum truck vacuuming out reserve tank	75-79 dB	85 dB

COMMUNITY NOISE MONITORING - RAILYARD

DATE OF MONITORING	AVERAGE NOISE LEVEL	MAXIMUM NOISE LEVEL	MONITORING PLAN LIMIT
August 14, 2006	79.2 dB	116.7 dB	85 dB
August 15, 2006	75.6 dB	111.5 dB	
August 16, 2006	78.3 dB	114.8 dB	
August 17, 2006	75.7 dB	112.8 dB	
August 18, 2006	76.0 dB	111.3 dB	
August 19, 2006	77.5 dB	114.3 dB	

COMMUNITY NOISE MONITORING - BRIDGE

DATE OF MONITORING	AVERAGE NOISE LEVEL	MAXIMUM NOISE LEVEL	MONITORING PLAN LIMIT
August 14, 2006	68.6 dB	104.0 dB	80 dB
August 15, 2006	68.4 dB	93.6 dB	
August 16, 2006	69.4 dB	98.3 dB	
August 17, 2006	68.9 dB	95.4 dB	
August 18, 2006	71.4 dB	106.3 dB	
August 19, 2006	67.2 dB	99.8 dB	

CONCLUSIONS

Based on this data, the excavating, dirt hauling, power screening, backfilling, and contaminated water cleanup conducted from August 14 through August 19, 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 from August 14 to August 19, 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; however, these exceedances were for extremely short durations and occurred when BNSF trains passed through the town and during some heavy equipment operations.

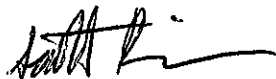
Although the elevated noise limits are above the project action limit, they do not exceed the King County Noise Code or the Skykomish Municipal Noise Code, which allow for any source of construction noise that is of short duration to be increased by:

- 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,



Scott Rinear
Industrial Hygienist

Reviewed by,



Elisabeth Black, CIH
Argus Pacific, Inc.

Attachments:

Air and Noise Monitoring Sample Locations Plan (08/14/06 to 08/19/06)

Laboratory Certificates of Analysis

DataChem Laboratories, Batch #06I-4380-01
DataChem Laboratories, Batch #06I-4380-02
DataChem Laboratories, Batch #06I-4380-03
DataChem Laboratories, Batch #06I-4380-04
DataChem Laboratories, Batch #06I-4443-01
DataChem Laboratories, Batch #06I-4443-02

DataRam4 data for instrument D-417 (08/14/06)
DataRam4 data for instrument D-417 (08/15/06)
DataRam4 data for instrument D-417 (08/16/06)
DataRam4 data for instrument D-417 (08/17/06)
DataRam4 data for instrument D-417 (08/18/06)
DataRam4 data for instrument D-417 (08/19/06)

DataRam4 data for instrument D-416 (08/14/06)
DataRam4 data for instrument D-416 (08/15/06)
DataRam4 data for instrument D-416 (08/16/06)
DataRam4 data for instrument D-416 (08/17/06)
DataRam4 data for instrument D-416 (08/18/06)
DataRam4 data for instrument D-416 (08/19/06)

Larson Davis 820 Noise Data – Bridge (08/14/06 – 08/19/06)
Larson Davis 820 Noise Data – Railyard (08/14/06 – 08/19/06)