APPEAL OF USE 2012-0019
LEMON CREEK GRAVEL EXTRACTION
BEFORE THE CITY AND BOROUGH OF JUNEAU
ASSEMBLY

SUPPLEMENTS TO THE RECORD
SUBMITTED BY COMMUNITY DEVELOPMENT DEPARTMENT
MARCH 7, 2013
Hello,

Mr. Chaney submitted a stack of emails as a proposed supplement to the record. The cover letter is attached and I will send the stack to the CBJ print shop for scanning tomorrow, then distribute.

Laurie Sica, mmc 
Municipal Clerk 
City and Borough of Juneau 
155 S. Seward St. 
Juneau, AK 99801 
ph: 907-586-0216 
fx: 907-586-4552 
www.juneau.org
Laurie,

Attached is a compilation of E-mail correspondence concerning issuance of a grading permit for USE2012 0019. Since E-mail chains resemble conversations, it is often necessary to have earlier E-mails below the more current correspondence in order to understand the context of the message.

I have tried to compile the correspondence chronologically without printing every message each time it was sent but rather, I have selected to print the final version of a long chain of E-mails. This allows the reader to understand the progression of the discussion without providing multiple copies of each discussion.

Please incorporate these E-mails with the documents and photographs I previously provided. Let me know if you require any clarification of this rather far ranging compilation.

Thank you,

Greg Chaney
Planning Manager
Community Development Department
Teri, do you have a response? The clock started yesterday, correct?

From: Ron King
Sent: Wednesday, December 12, 2012 4:25 PM
To: Teri Camery; Greg Chaney
Cc: Hal Hart
Subject: FW: Lemon Creek USE2012-0019 Notice of Mining 2013

CBJ has been notified of the intent to extract; reference USE2012-19.

Ron

From: SHORT, Michael (JUNSC) [mailto:MShort@COLASKA.com]
Sent: Wednesday, December 12, 2012 3:40 PM
To: Ron King
Cc: KIDD, Bryce (JUNSC); SVINICKI, Buckley (JUNSC); DUDLEY, Tim (JUNSC); DUDLEY, Craig (JUNSC)
Subject: Lemon Creek USE2012-0019 Notice of Mining 2013

Mr. King please find the attached letter and mining plan for Lemon Creek Gravel Extraction 2013.

Michael Short
Secon
Engineering Manager
1836 Anka Street
Juneau, AK 99801
P.O. Box 32159
Juneau, AK 99801
Office (907) 780-5145
Cell  (907) 378-4767
December 12, 2012

The City and Borough of Juneau Permit Center
155 South Seward Street
Juneau, Alaska
99801

To Whom It May Concern:

Colaska Inc. dba SECON holds authorizations to operate the Lemon Creek Horceny Gravel Mine (State ID No. AK 0611-05J) from the following agencies:

- Army Corp of Engineers, POA-1983-20-M3
- Alaska Department of Fish and Game, Fish Habitat Permit FH06-I-0128(a)
- City and Borough of Juneau, USE2012-0019
- The State of Alaska Department of Environmental Conservation is anticipating issuing an extension to the Letter of Reasonable Assurance in January per a phone conversation with Ms. Brenda Krauss of DEC on December 12, 2012.

SECON is authorized to extract up to 210,000 CY of material from the creek bed over a period of up to six years.

This letter is to inform that SECON will commence the mining year 2013 of gravel extraction at the end of January. It is our intention to extract less than 35,000 cubic yards of material from the creek.

Access to the creek will be the same as the previous year. It is not our intention to alter the flow of the creek in any way while extraction activities are underway, and no culverts or berms will be necessary. Please see the attachment which shows the areas to be worked.

A vibration monitoring plan is being prepared at this time and will be submitted to CBJ Engineering for the grading plan.

Tom Weed’s services will be retained for periodic inspections of the operation.

Sincerely,

Buck Svinicki
Hi Ron,

I’m sorry, but I am feeling confused about what I need to respond to. I assume that we need to go through the approved conditions from USE2012 0019. And most of that, at this grading permit stage, is in the hands of CBJ Engineering. One thing I’m not sure of is whether they can go ahead right now, or if they need to wait until after next Tuesday’s PC meeting regarding the Notice of Reconsideration.

I leave tomorrow for two weeks and I am rapidly running out of time. I will try to complete the NOD today to have it ready to go, but I will not have time to enter all 36 conditions into Govern. Greg, can you help with that or assign another planner?

Thanks all,
Teri

Teri Camery, Senior Planner
City and Borough of Juneau
Community Development Department
155 S. Seward
Juneau, AK 99801
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

From: Ron King
Sent: Thursday, December 13, 2012 9:23 AM
To: Teri Camery; Greg Chaney
Subject: FW: Lemon Creek USE2012-0019 Notice of Mining 2013

Teri, do you have a response? The clock started yesterday; correct?

From: Ron King
Sent: Wednesday, December 12, 2012 4:25 PM
To: Teri Camery; Greg Chaney
Cc: Hal Hart
Subject: FW: Lemon Creek USE2012-0019 Notice of Mining 2013

CBJ has been notified of the intent to extract; reference USE2012-19.

Ron

From: SHORT, Michael (JUNSC) [mailto:MShort@COLASKA.com]
Sent: Wednesday, December 12, 2012 3:40 PM
To: Ron King
Mr. King please find the attached letter and mining plan for Lemon Creek Gravel Extraction 2013.

Michael Short

Secon
Engineering Manager
1836 Anka Street
Juneau, AK 99801
P.O. Box 32159
Juneau, AK 99801
Office (907) 780-5145
Cell (907) 378-4767
Ron please see attached letter for the vibration monitoring plan which is required for the grading permit. If anything else is required please let me know.

Thanks.

Michael Short
Secon
Engineering Manager
1836 Anka Street
Juneau, AK 99801
P.O. Box 32159
Juneau, AK 99801
Office (907) 780-5145
Cell (907) 378-4767
Vibration Monitoring Plan

Conditional USE 2012-019


Specifications

CBJ Standard Specifications for Civil Engineering Projects and Subdivision Improvements

December 2003 is being used to establish a monitoring plan for the Lemon Creek gravel extraction. Section 02090 Blasting Controls, 3.10 Vibrations Limits, Part A defines two limits based on frequency that will be used for the upper limits of this plan for a Peak Particle Velocity (PPV). A maximum threshold of 2 inches per second for any frequency over 40-Hz and a maximum threshold of 0.75 PPV for any frequency less than 40-Hz.

Definitions

Active Monitoring – A technician monitors and logs events happening during mining activities from all the vibration monitors, what mining is currently happening and if any noticeable local environmental events occur. Technician is there to notify the supervisor if a threshold is being threatened from the mining activity.

Passive Monitoring – The unit is setup to record vibrations that exceed a limit. It only records when an event happens that triggers the monitor.

PPV – Peak Particle Velocity

Equipment

1 each - Blast Mate III

2 each – Mini Mate Plus
Plan

SECON is establishing a two part plan. First part is a testing phase to determine the impact the gravel extraction has in transmitting energy through the ground to the surrounding structures. The second part is how the monitoring is to transpire based on this test.

There are 46 lots with what appears to be 26 structures that boarder the gravel extraction parcel. Of these properties only one structure has complained as to the mining activities. The monitoring will be orientated to this structure. The property manager has granted permission to set monitoring units on the property.

Mr. Short - I am the Property Manager for the Riveredge Park Association. The HOA Board has requested that I correspond with you to offer two spots to place seismic monitoring devices - the boiler rooms in each of the two buildings. I can provide access to these rooms so you can place the devices and to monitor them as appropriate.

This will go a long way in relieving some of the animosity that has developed as a result of previous extraction activities.

Please contact me directly for access to these rooms. Also, do not hesitate to contact me if you have any questions.

Jim Preston
Broker
Jim Preston Realty
(907) 321-2288

Part I

SECON will perform a series of tests to determine the ground motion generated from the mining equipment. The monitoring equipment will be setup in a linear alignment from the condominiums property towards the proposed gravel extraction location.

The Monitors will be activated before any mining is started. This is to record the existing environmental activity. This will give a signature of the existing "happenings/activities" and there corresponding wave signature.

To monitor the mining equipment working the following test will be performed. Starting at the farthest extraction point from the monitors/condominiums a test pit will be started. The activity will be recorded. If the vibration results are below the above specifications a new test hole will be perform closer to the monitors. This will proceed until either the PPV threshold is met or a test hole is performed next to a monitoring unit and the PPV threshold as stated in the above specifications has not been achieved.
If during the test procedure the PPV threshold is not achieved:

If the PPV threshold is not achieved during this test, active monitoring will not be required.

1. A single unit will be setup to trigger on the upper thresholds during the mining activities.
2. The test report will be submitted to engineering.
3. A report of the passive monitoring will be submitted to CBJ engineering on a monthly report.

The PPV threshold is achieved during the test phase:

If the PPV threshold is meet/exceeded the distance from the test pit and the monitoring unit is then established. That distance will be used to calculate the nearest that the mining operations can be done safely to the structures.

1. Any time mining operations happen within this established distance active monitoring will happen. A technician will monitor the vibration units for PPV levels and report to the supervisor.
2. When mining is outside of this “safe distance” passive monitoring will take place with daily review of monitoring of the activities.
3. The test report will be submitted to engineering.
4. A report of the monitoring will be submitted to CBJ engineering on a monthly report.
I talked with Mike Short at SECON, and he will soon be submitting a Conditional Use Permit application for gravel extraction in Lemon Creek, farther upstream from the site of the current permit. I asked him to contact Eddie to set up a pre-application meeting.

This site is much better for a reduced impact to the neighborhood and also to fish habitat. However SECON intends to continue operating in their currently approved location unless prohibited by a successful appeal.

Teri Camery, Senior Planner
City and Borough of Juneau
Community Development Department
155 S. Seward
Juneau, AK 99801
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.
Hi Ron,

I’m not sure what you mean by your question.

I have reviewed the USE2012 00019 Notice of Decision. If CBJ Engineering has determined that the applicant has met the necessary conditions for a grading permit, which include Conditions 1-18, then the project may proceed. The applicant must, of course, also comply with conditions 19-36, which are largely operational.

Please let me know if you have any questions.

Teri

Teri Camery, Senior Planner
City and Borough of Juneau
Community Development Department
155 S. Seward
Juneau, AK 99801
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

---

From: Ron King
Sent: Thursday, February 07, 2013 4:18 PM
To: Teri Camery
Subject: RE: Lemon Creek Grading Permit

Attached is the mining plan that Bryce has staked. Were they granted the permission?

---

From: Teri Camery
Sent: Thursday, February 07, 2013 11:10 AM
To: Ron King
Subject: FW: Lemon Creek Grading Permit

Hi Ron,

Can you respond to Bryce and also cc-me please? I can’t answer this question obviously, but I would appreciate being kept in the loop. Thanks.

Teri

Teri Camery, Senior Planner
City and Borough of Juneau
Community Development Department
155 S. Seward
Juneau, AK 99801
From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Thursday, February 07, 2013 10:59 AM
To: Teri Camery
Subject: Lemon Creek Grading Permit

Terry,

The area that we are going to work in Lemon Creek this year has been staked. I think Channel is planning on starting the week after next. Is there anything else that we need to do to get our grading permit?

Thanks,
Bryce
780-1228
The above is the information for this year's extraction; a new grading permit was not set up for this year's application, it went to the use case. Curious as to why there was no fee attached to the permit last year?
Mr. King please find the attached letter and mining plan for Lemon Creek Gravel Extraction 2013.

Michael Short
Senior Engineering Manager
1836 Anka Street
Juneau, AK 99801
P.O. Box 32159
Juneau, AK 99801
Office (907) 780-5145
Cell (907) 378-4767
Hello All,

This email is to inform that SECON will be making preparations to remove gravel from Lemon Creek on Friday (2/15). We anticipate that we will be setting the bridge to gain access to the creek this Friday, and gravel removal and hauling will begin Tuesday.

We will be working the same bar that we have always worked and an adjacent bar downstream. The quantity of material will be approximately the same as taken in years past and the work will take approximately 10 working days.

Please feel free to contact me with any questions: 780-1228. If you would like to visit the site while gravel is being removed I only ask that you check in at the office so that we can insure your safe escort.

Thank You,
Bryce Kidd
No grading permit has been issued. The last permit BLD20110008 was finaled. No application only letters of intent. I will contact Bryce.

Has the grading permit been issued?

Teri Camery, Senior Planner
City and Borough of Juneau
Community Development Department
155 S. Seward
Juneau, AK 99801
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

This email is to inform that SECON will be making preparations to remove gravel from Lemon Creek on Friday (2/15). We anticipate that we will be setting the bridge to gain access to the creek this Friday, and gravel removal and hauling will begin Tuesday.

We will be working the same bar that we have always worked and an adjacent bar downstream. The quantity of material will be approximately the same as taken in years past and the work will take approximately 10 working days.

Please feel free to contact me with any questions: 780-1228. If you would like to visit the site while gravel is being removed I only ask that you check in at the office so that we can insure your safe escort.

Thank You,

Bryce Kidd
From: Teri Camery  
Sent: Tuesday, February 12, 2013 9:29 AM  
To: Ron King  
Cc: Greg Chaney  
Subject: RE: Lemon Creek Gravel Excavation 2013

Has the grading permit been issued?

Teri Camery, Senior Planner  
City and Borough of Juneau  
Community Development Department  
155 S. Seward  
Juneau, AK 99801  
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

From: KIDD, Bryce (JUNSC)  
Sent: Tuesday, February 12, 2013 8:36 AM  
To: Neil.Stichert@fws.gov; greg.albrecht@alaska.gov; Ron King; Ed Foster; scott.gray@alaska.gov; Teri Camery; brenda.krauss@alaska.gov  
Cc: SHORT, Michael (JUNSC); CHEESEMAN, Billy (JUNSC); DUDLEY, Tim (JUNSC); DUDLEY, Craig (JUNSC); MASON, Thel (JUNSC)  
Subject: Lemon Creek Gravel Excavation 2013

Hello All,

This email is to inform that SECON will be making preparations to remove gravel from Lemon Creek on Friday (2/15). We anticipate that we will be setting the bridge to gain access to the creek this Friday, and gravel removal and hauling will begin Tuesday.

We will be working the same bar that we have always worked and an adjacent bar downstream. The quantity of material will be approximately the same as taken in years past and the work will take approximately 10 working days.

Please feel free to contact me with any questions: 780-1228. If you would like to visit the site while gravel is being removed I only ask that you check in at the office so that we can insure your safe escort.

Thank You,  
Bryce Kidd
Hi Eddie,

Do you know who was assigned to this case?

Thank you for your help.

- Greg
Mike/Bryce, the grading permit/gravel extraction is still in review. Completion date should be next week. Remembering that application was made mid-day on the 12th we are doing everything possible to complete the review in a speedy manner. I am satisfied with the Engineering component and approved my portion of the review.

FYI I appreciate the photo of the MINING WARNING SIGNS. I will be available on Tuesday am.

Ron King
I called and left a message, also emailed Mike & Bryce. See you Tuesday.

Still no review by CDD? Any chance of completed the review? If not then Secon should be called before 3:30pm, see below.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Tuesday, February 12, 2013 8:36 AM
To: Neil_Stichert@fws.gov; greg.albrecht@alaska.gov; Ron King; Ed Foster; scott.gray@alaska.gov; Teri Camery; brenda.krauss@alaska.gov
Cc: SHORT, Michael (JUNSC); CHEESEMAN, Billy (JUNSC); DUDLEY, Tim (JUNSC); DUDLEY, Craig (JUNSC); MASON, Thel (JUNSC)
Subject: Lemon Creek Gravel Excavation 2013

Hello All,

This email is to inform that SECON will be making preparations to remove gravel from Lemon Creek on Friday (2/15). We anticipate that we will be setting the bridge to gain access to the creek this Friday, and gravel removal and hauling will begin Tuesday.

We will be working the same bar that we have always worked and an adjacent bar downstream. The quantity of material will be approximately the same as taken in years past and the work will take approximately 10 working days.
Please feel free to contact me with any questions: 780-1228. If you would like to visit the site while gravel is being removed I only ask that you check in at the office so that we can insure your safe escort.

Thank You,
Bryce Kidd
Hi Guys,

We should probably move this project up on the review list because this project has a very narrow time window to operate within. Once the spring thaw happens in the mountains, they will have to shut down, so unlike the rest of our projects that will be able to work in the spring, this project will be jeopardized the longer it is waiting for review.

Let me know if you have questions.

- Greg

From: Ron King  
Sent: Friday, February 15, 2013 2:54 PM  
To: Greg Chaney; Hal Hart  
Subject: Secon Gravel Extraction

Still no review by CDD? Any chance of completed the review? If not then Secon should be called before 3:30pm, see below.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]  
Sent: Tuesday, February 12, 2013 8:36 AM  
To: Neil_Stichert@fws.gov; greg albrecht@alaska.gov; Ron King; Ed Foster; scott.gray@alaska.gov; Teri Camery; brenda.krauss@alaska.gov  
Cc: SHORT, Michael (JUNSC); CHEESEMAN, Billy (JUNSC); DUDLEY, Tim (JUNSC); DUDLEY, Craig (JUNSC); MASON, Thel (JUNSC)  
Subject: Lemon Creek Gravel Excavation 2013

Hello All,
This email is to inform that SECON will be making preparations to remove gravel from Lemon Creek on Friday (2/15). We anticipate that we will be setting the bridge to gain access to the creek this Friday, and gravel removal and hauling will begin Tuesday.

We will be working the same bar that we have always worked and an adjacent bar downstream. The quantity of material will be approximately the same as taken in years past and the work will take approximately 10 working days.

Please feel free to contact me with any questions: 780-1228. If you would like to visit the site while gravel is being removed I only ask that you check in at the office so that we can insure your safe escort.

Thank You,
Bryce Kidd
Thanks for the update. The grading permit is in review. CBJ is processing the review as quickly as possible and hopefully the permit will be issued today.

Ron

---

Ron here is the Initial Test monitor report. Attached also is a video of the test bar drop. Based on this report we are not going to actively monitor the extraction (a tech watching the unit to ensure that SECON is not threatening the base line threshold). The unit will be setup and turned on to record any events during the work day.

Michael Short

Secon
Engineering Manager
1836 Anka Street
Juneau, AK 99801
P.O. Box 32159
Juneau, AK 99801
Office (907) 780-5145
Cell (907) 378-4767
February 16, 2013

Seismic Monitoring Report
For the Lemon Creek Gravel Extraction Project

We started at 9AM and performed 3 test pit excavations with a Volvo 480 excavator while actively monitoring with an Instantel Minimate Blaster. The trigger for the monitoring device was set at 0.1 IN/S with a maximum range of 10 IN/S. Test pits were approximately 400 LF, 300LF, and 65LF away from the monitoring device (please see attached sketch for layout). The device was placed approximately 85 LF from the corner of the nearest structure. While excavating the 3 test pits no events were recorded on the device; consequently, since the monitoring device was not triggered there are no corresponding reports.

To ensure that the device was set up properly we performed 3 tests to trigger an event by dropping a steel digging bar 6 IN vertically 2 FT horizontally from the monitoring device. All 3 tests recorded an event and the corresponding reports are attached; please see the reports dated 09:27:59 February 16 2013, 09:28:58 February 16 2013, and 09:29:04 February 16 2013. As you can see on all 3 of the reports the amount of seismic activity recorded was enough to trigger an event, however; was below specified peak particle velocity.

While work was being performed the monitoring device recorded 2 events, reports have been attached for these events. Both events were triggered by work being performed relatively close to the monitoring device by both the excavator and the loader. Neither event exceeded the peak particle velocity specified; refer to the reports dated 10:40:53 February 16 2013 and 11:18:22 February 16 2013.

TJ Mason
Project Engineer
SECON
Vert at 10:40:53 February 16, 2013
Geo: 0.100 in/s
Mic: 0.0103 psi(L)
Geo :10.00 lnls
4.75 sec (Auto=3Sec) at 1024
1 Record Time
Job Number: 1

Notes
Location:
Client:
User Name:
General:

Extended Notes
Post Event Notes

Microphone
PSPL
ZC Freq
Channel Test
Linear Weighting
0.00007 psi(L) at 0.010 sec
>100 Hz
Check (Freq = 0.0 Hz Amp = 0 mv)

PPV
0.0750
0.110
0.0560
in/s
ZC Freq
3rd
28
23
Hz
Time (Rel. to Trig)
0.608
0.001
0.084
sec
Peak Acceleration
0.0550
0.0795
0.0398
g
Peak Displacement
0.00041
0.00031
0.00036
in
Frequency
Passed
Passed
Passed
Hertz
Overswing Ratio
4.3
4.0
4.1
Hz

Peak Vector Sum
0.116 in/s at 1.667 sec

Sensorcheck Passed Passed Passed
7.2
7.5
7.5
Hz
Overswing Ratio 4.3 4.0 4.1

USBM R18507 And OSMRE

Frequency (Hz)
Tran: + Vert: x Long: o

Printed: February 16, 2013 (V 3.12 - 8.12)
**Date/Time**  Vert at 11:18:22 February 16, 2013  
**Trigger Source**  Geo: 0.100 in/s  
**Range**  Geo: 10.00 in/s  
**Record Time**  3.25 sec (Auto=3Sec) at 1024 sps  
**Job Number**  1  

**Notes**
- **Location:**
- **Client:**
- **UserName:**
- **General:**

**Extended Notes**

**Post Event Notes**

**Microphone**  Linear Weighting  
**PSPL**  <.0000725 psi(L) at -0.198 sec  
**ZC Freq**  N/A  
**Channel Test**  Check (Freq = 0.0 Hz Amp = 0 mv)

**Tran**  **Vert**  **Long**

<table>
<thead>
<tr>
<th>PPV</th>
<th>0.0700</th>
<th>0.1000</th>
<th>0.0700</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZC Freq</td>
<td>8.3</td>
<td>12</td>
<td>11</td>
</tr>
<tr>
<td>Time (Rel. to Trig)</td>
<td>0.000</td>
<td>0.000</td>
<td>-0.130</td>
</tr>
<tr>
<td>Peak Acceleration</td>
<td>0.0265</td>
<td>0.0265</td>
<td>0.0265</td>
</tr>
<tr>
<td>Peak Displacement</td>
<td>0.00120</td>
<td>0.00122</td>
<td>0.00100</td>
</tr>
<tr>
<td>Sensorcheck</td>
<td>Passed</td>
<td>Passed</td>
<td>Passed</td>
</tr>
<tr>
<td>Frequency</td>
<td>7.2</td>
<td>7.5</td>
<td>7.5</td>
</tr>
<tr>
<td>Overswing Ratio</td>
<td>4.3</td>
<td>4.0</td>
<td>4.1</td>
</tr>
</tbody>
</table>

**Peak Vector Sum**  0.130 in/s at 0.000 sec  
**N/A:**  Not Applicable

---

**USBM RI8507 And OSMRE**

**Transfer Function:**

**Frequency (Hz):**
- Tran: +  
- Vert: ×  
- Long: ø

**Amplitude (in/s):**
- 0.0

**Time Scale:** 0.20 sec/div  
**Amplitude Scale:** Geo: 0.100 in/s/div Mic: 0.00100 psi(L)/div  
**Trigger:**

**Printed:** February 16, 2013 (V 8.12 - 8.12)  
**Format Copyrighted 2008-2007 Instantel, a division of VeriChip Corporation**
### Device Test

**Date/Time**: Long at 09:27:59 February 16, 2013  
**Trigger Source**: Geo: 0.100 in/s  
**Range**: Geo: 0.00 sec  
**Record Time**: 3.25 sec (Auto=3Sec) at 1024 sps  
**Job Number**: 1

#### Notes
- **Location**:  
- **Client**:  
- **User Name**:  
- **General**:  

#### Extended Notes

Post Event Notes

#### Microphone
- **PSPL**: Linear Weighting  
- **ZC Freq**: N/A  
- **Channel Test**: Check (Freq = 0 Hz, Amp = 0 mv)

### Graphs

- **USBM RI8567 And OSMRE**

### Table

<table>
<thead>
<tr>
<th>Tran</th>
<th>Vert</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPV</td>
<td>0.0450</td>
<td>0.0550</td>
</tr>
<tr>
<td>ZC Freq</td>
<td>&gt;100</td>
<td>64</td>
</tr>
<tr>
<td>Time (Rel. to Trig)</td>
<td>-0.050</td>
<td>0.002</td>
</tr>
<tr>
<td>Peak Acceleration</td>
<td>0.0928</td>
<td>0.0928</td>
</tr>
<tr>
<td>Peak Displacement</td>
<td>0.00007</td>
<td>0.0010</td>
</tr>
<tr>
<td>Sensorcheck Frequency</td>
<td>Passed</td>
<td>Passed</td>
</tr>
<tr>
<td>Overswing Ratio</td>
<td>4.2</td>
<td>4.0</td>
</tr>
</tbody>
</table>

### Sensor Check
- **Frequency**: 7.2 7.5 7.5 Hz  
- **Overswing Ratio**: 4.2 4.0 4.2

### Additional Information
- **Serial Number**: BE12601 V 10.10-1.1 Minimate Blaster  
- **Battery Level**: 6.0 Volts  
- **Calibration**: March 2, 2011 by Instantel Inc.  
- **File Name**: N601EOGS,YN0

---

Printed: February 16, 2013 (V 8.12 - 8.12)  
Format Copyrighted 2006-2007 Instantel, a division of VeriChip Corporation  
Page 334
## Device Test

### Date/Time

### Trigger Source
- Geo: 0.100 in/s
- Mic: 0.0103 psi(L)

### Range
- Geo: 0.100 in/s

### Record Time
- 3.25 sec (Auto=3Sec) at 1024 sps

### Job Number
- 1

### Notes
- Location:
- Client:
- User Name:
- General:

### Extended Notes

### Post Event Notes

### Microphone
- Linear Weighting
- PSPL: 0.00007 psi(L) at 0.006 sec
- ZC Freq: >100 Hz
- Channel Test: Check (Freq = 0.0 Hz Amp = 0 mv)

### Tran Vert Long

<table>
<thead>
<tr>
<th>PPV</th>
<th>MicL</th>
<th>Long</th>
<th>ZC Freq</th>
<th>Time (Rel. to Trig)</th>
<th>Peak Acceleration</th>
<th>Peak Displacement</th>
<th>Sensorcheck</th>
<th>Overswing Ratio</th>
<th>Frequency</th>
<th>Overswing Ratio</th>
</tr>
</thead>
</table>
Device Test

Date/Time: Long at 09:29:04 February 16, 2013
Trigger Source: Geo: 0.100 in/s
Range: Geo: 0.100 in/s
Record Time: 3.25 sec (Auto=3Sec) at 1024 sps
Job Number: 1

Notes:
Location:
Client:
User Name:
General:

Extended Notes:
Post Event Notes:

Microphone: Linear Weighting
PSPL: 0.00907 psi(L) at 0.008 sec
ZC Freq: >100 Hz
Channel Test: Check (Freq = 0.0 Hz Amp = 0 mv)

<table>
<thead>
<tr>
<th>Tran</th>
<th>Vert</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPV</td>
<td>0.0800</td>
<td>0.120</td>
</tr>
<tr>
<td>ZC Freq</td>
<td>&gt;100</td>
<td>&gt;100</td>
</tr>
<tr>
<td>Time (Rel. to Trig)</td>
<td>0.002</td>
<td>0.005</td>
</tr>
<tr>
<td>Peak Acceleration</td>
<td>0.172</td>
<td>0.318</td>
</tr>
<tr>
<td>Peak Displacement</td>
<td>0.00012</td>
<td>0.00029</td>
</tr>
</tbody>
</table>

Sensorcheck: Passed Passed Passed

Frequency | 7.2 | 7.5 | 7.5 Hz
Overswing Ratio | 4.2 | 4.0 | 4.2

Peak Vector Sum: 0.241 in/s at 0.012 sec
THIS IS A SCREEN SHOT FROM THE VIBRATION MONITORING VIDEO SENT TO RON KING ON FEBRUARY 18th 2013.

Clerk’s Note re: Record on Appeal - the video that this screen print depicts is included on the attached disc as: Appellee Planning Commission - Video #1
[Beth McEwen, Acting Clerk 3/26/2013]
From: Teri Camery  
Sent: Wednesday, February 20, 2013 2:58 PM  
To: Eric Feldt; Hal Hart; Charlie Ford; Greg Chaney  
Subject: RE: SECON's Lemon Creek Gravel Extraction

Teri Camery, Senior Planner  
City and Borough of Juneau  
Community Development Department  
155 S. Seward  
Juneau, AK 99801  
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

From: Eric Feldt  
Sent: Wednesday, February 20, 2013 2:36 PM  
To: Hal Hart; Charlie Ford; Teri Camery  
Subject: FW: SECON's Lemon Creek Gravel Extraction

See Ron's email below.

Eric Feldt, Planner II, C.F.M.  
Community Development Dept.  
155 South Seward Street  
City & Borough of Juneau, Alaska  
Ph: (907) 586-0764  
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: Ron King  
Sent: Wednesday, February 20, 2013 2:35 PM  
To: Eric Feldt  
Subject: RE: SECON's Lemon Creek Gravel Extraction

Alan Steffert and I reviewed the Vibration Monitoring Plan and it was compliant to BLASTING CONTROLS, CBJ STANDARD SPECIFICATIONS, other information from the previously approved grading plan was added to the file, GE approved the permit. PC conditions are not part of my permit review. The requirement for an Alaska Engineer to sign the Vibration Monitoring Plan is a left field requirement that is not part of code or Standard Specifications.

From: Eric Feldt  
Sent: Wednesday, February 20, 2013 11:51 AM  
To: Ron King
Subject: FW: SECON’s Lemon Creek Gravel Extraction

Is he correct about this plan being approved by GE already?

---

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

---

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Wednesday, February 20, 2013 10:28 AM
To: Eric Feldt
Cc: SHORT, Michael (JUNSC)
Subject: RE: SECON’s Lemon Creek Gravel Extraction

Eric,

It does not state anywhere in our submitted plan that a technician will establish maximum thresholds. The thresholds are established in the first paragraph of the plan and were agreed upon based on consultation with CBJ engineering and a P.E..

Thanks,
Bryce

---

From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]
Sent: Wednesday, February 20, 2013 8:51 AM
To: KIDD, Bryce (JUNSC)
Subject: RE: SECON’s Lemon Creek Gravel Extraction

Bryce,

RE: Vibration Control Plan

The conditions states a licensed engineer shall establish the maximum safe threshold for seismic activity. The submitted plan states a technician will perform this. Will this technician be a SECON licensed engineer?

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365
Please consider the environment before printing this email.

The Truth will set you free.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Tuesday, February 19, 2013 4:19 PM
To: Eric Feldt
Subject: RE: SECON’s Lemon Creek Gravel Extraction

Eric,

Please see attached the Vibration Monitoring Plan which was submitted on January 18th.

Thanks,
Bryce

From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]
Sent: Tuesday, February 19, 2013 4:13 PM
To: KIDD, Bryce (JUNSC)
Cc: Ron King
Subject: SECON’s Lemon Creek Gravel Extraction

Bryce,

I am reviewing the Grading permit (BLD2013-65) for SECON’s Lemon Creek gravel extraction project. The last element needing to be submitted to issue this Grading permit is a Vibration Control plan, as required under Conditional Use permit (USE2012-19). Please submit this plan to the Permit Center or scan and email it to me.

Thank you,

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.
FW: CBJ Conditional USE2012 0019 Vibration Monitoring Plan

Any comments?

Ron

Ron please see attached letter for the vibration monitoring plan which is required for the grading permit. If anything else is required please let me know.

Thanks.

Michael Short
Secon
Engineering Manager
1836 Anka Street
Juneau, AK 99801
P.O. Box 32159
Juneau, AK 99801
Office (907) 780-5145
Cell (907) 378-4767
Vibration Monitoring Plan

Conditional USE2012-019


Specifications

CBJ Standard Specifications for Civil Engineering Projects and Subdivision Improvements December 2003 is being used to establish a monitoring plan for the Lemon Creek gravel extraction. Section 02090 Blasting Controls, 3.10 Vibrations Limits, Part A defines two limits based on frequency that will be used for the upper limits of this plan for a Peak Particle Velocity (PPV). A maximum threshold of 2 inches per second for any frequency over 40-Hz and a maximum threshold of 0.75 PPV for any frequency less than 40-Hz.

Definitions

Active Monitoring – A technician monitors and logs events happening during mining activities from all the vibration monitors, what mining is currently happening and if any noticeable local environmental events occur. Technician is there to notify the supervisor if a threshold is being threatened from the mining activity.

Passive Monitoring – The unit is setup to record vibrations that exceed a limit. It only records when an event happens that triggers the monitor.

PPV – Peak Particle Velocity

Equipment

1 each - Blast Mate III
2 each – Mini Mate Plus
Plan

SECON is establishing a two part plan. First part is a testing phase to determine the impact the gravel extraction has in transmitting energy through the ground to the surrounding structures. The second part is how the monitoring is to transpire based on this test.

There are 46 lots with what appears to be 26 structures that border the gravel extraction parcel. Of these properties only one structure has complain as to the mining activities. The monitoring will be orientated to this structure. The property manager has granted permission to set monitoring units on the property.

Mr. Short - I am the Property Manager for the Riveredge Park Association. The HOA Board has requested that I correspond with you to offer two spots to place seismic monitoring devices - the boiler rooms in each of the two buildings. I can provide access to these rooms so you can place the devices and to monitor them as appropriate.

This will go a long way in relieving some of the animosity that has developed as a result of previous extraction activities.

Please contact me directly for access to these rooms. Also, do not hesitate to contact me if you have any questions.

Jim Preston
Broker
Jim Preston Realty
(907) 321-2288

Part I

SECON will perform a series of test to determine the ground motion generated from the mining equipment. The monitoring equipment will be setup in a linear alignment from the condominiums property towards the proposed gravel extraction location.

The Monitors will be activated before any mining is started. This is to record the existing environmental activity. This will give a signature of the existing “happenings/activities” and there corresponding wave signature.

To monitor the mining equipment working the following test will be performed. Starting at the farthest extraction point from the monitors/condominiums a test pit will be started. The activity will be recorded. If the vibration results are below the above specifications a new test hole will be perform closer to the monitors. This will proceed until either the PPV threshold is met or a test hole is performed next to a monitoring unit and the PPV threshold as stated in the above specifications has not been achieved.
Part 2

If during the test procedure the PPV threshold is not achieved:

If the PPV threshold is not achieved during this test, active monitoring will not be required.

1. A single unit will be setup to trigger on the upper thresholds during the mining activities.
2. The test report will be submitted to engineering.
3. A report of the passive monitoring will be submitted to CBJ engineering on a monthly report.

The PPV threshold is achieved during the test phase:

If the PPV threshold is meet/exceeded the distance from the test pit and the monitoring unit is then established. That distance will be used to calculate the nearest that the mining operations can be done safely to the structures.

1. Any time mining operations happen within this established distance active monitoring will happen. A technician will monitor the vibration units for PPV levels and report to the supervisor.
2. When mining is outside of this “safe distance” passive monitoring will take place with daily review of monitoring of the activities.
3. The test report will be submitted to engineering.
4. A report of the monitoring will be submitted to CBJ engineering on a monthly report.
From: Jane Sebens
Sent: Wednesday, February 20, 2013 3:50 PM
To: Eric Feldt
Cc: Hal Hart; Greg Chaney; Teri Camery; Ronald Schramm
Subject: FW: Coalaska, Inc. d/b/a Secon Stop Work Order
Attachments: 2013-02-20 Final Stop Work Order for SECON Lemon Creek Extraction.pdf

Oops, meant to include you Eric!

Jane E. Sebens
Deputy City Attorney
City and Borough of Juneau
155 South Seward
Juneau, Alaska 99801

Direct phone (907) 586-0275
Fax (907) 586-1147
Jane.Sebens@ci.junea.ak.us

From: Jane Sebens
Sent: Wednesday, February 20, 2013 3:47 PM
To: Charlie Ford; Hal Hart; Greg Chaney
Cc: Ronald Schramm; Teri Camery; Janet Mehl
Subject: Coalaska, Inc. d/b/a Secon Stop Work Order

Here it is—suggested service process to follow.
CITY AND BOROUGH OF JUNEAU

CBJ 19.01.114

STOP WORK ORDER

DATE: February 26, 2013

To the Owner, Agent, Contractor, Workers or any other person or person engaged in doing or causing work to be done at or in the Lemon Creek Streambed on or about Mendota Park Parcel 2:

The City and Borough of Juneau Building Official has inspected the above Premises and has found work being performed without proper permit(s) in violation of CBJ 19.01.105.1.1.1 and CBJ 19.12.030.

Pursuant to the authority of CBJ 19.01.114,

You are hereby ordered to CEASE ALL WORK and extraction activities at or in the above referenced location, IMMEDIATELY.

Work may not be resumed or this Stop Work Order removed until the work is permitted and authorized in writing by the Building Official.

Negligent violation of this order is a Class B misdemeanor punishable by up to 90 days incarceration and a $5,000 fine. Reckless or intentional violation of this order is a Class A misdemeanor punishable by up to one year of incarceration and a $10,000 fine. Each day on which a violation occurs is a separate offense.

Issued by: ___________________________ Date: ________________

Charlie Ford, CBJ Building Official

Time: ________________
From: Teri Camery  
Sent: Wednesday, February 20, 2013 3:34 PM  
To: Ronald Schramm; Hal Hart; Charlie Ford; John Hartle; Eric Feldt  
Subject: RE: Secon Lemon Creek Gravel Extraction photos.

Nope, I don’t have an I drive folder at the moment. I transferred it all over to the G drive under MIS orders and haven’t switched it back yet. So let’s keep it all in your file for now.

Teri Camery, Senior Planner  
City and Borough of Juneau  
Community Development Department  
155 S. Seward  
Juneau, AK 99801  
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

From: Ronald Schramm  
Sent: Wednesday, February 20, 2013 3:33 PM  
To: Hal Hart; Teri Camery; Charlie Ford; John Hartle; Eric Feldt  
Subject: Secon Lemon Creek Gravel Extraction photos.  
Importance: High

I am going to place a copy of the folder in the CDD staff’s I drive folders. Teri, I am hoping in the “I” drive your folder is “TSC.”

Also, I will link it for the non-CDD staff. It is as follows in the “I” Drive:

I:\Ron_Schramm\Secon Lemon Creek Gravel Extraction

RON SCHRAMM  
Code Compliance Officer II  
CBJ Community Development Department  
155 South Seward Street  
Juneau, AK 99801  
Phone: (907) 586-0467  
Fax: (907) 586-3365  
E-mail: Ronald_Schramm@ci.juneau.ak.us
The neighbor told me she had lots of photos, and that there were seven pieces of heavy equipment in the creek today, right in front of her condo (outside the area marked in the “mining plan.”)

From: Teri Camery
Sent: Wednesday, February 20, 2013 3:34 PM
To: Ronald Schramm; Hal Hart; Charlie Ford; John Hartle; Eric Feldt
Subject: RE: Secon Lemon Creek Gravel Extraction photos.

Nope, I don’t have an I drive folder at the moment. I transferred it all over to the G drive under MIS orders and haven’t switched it back yet. So let’s keep it all in your file for now.

Teri Camery, Senior Planner
City and Borough of Juneau
Community Development Department
155 S. Seward
Juneau, AK 99801
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

From: Ronald Schramm
Sent: Wednesday, February 20, 2013 3:33 PM
To: Hal Hart; Teri Camery; Charlie Ford; John Hartle; Eric Feldt
Subject: Secon Lemon Creek Gravel Extraction photos.
Importance: High

I am going to place a copy of the folder in the CDD staff’s I drive folders. Teri, I am hoping in the “I” drive your folder is “TSC.”

Also, I will link it for the non-CDD staff. It is as follows in the “I” Drive:

I:\Ron_Schramm\Secon Lemon Creek Gravel Extraction

RON SCHRAMM
Code Compliance Officer II
CBJ Community Development Department
155 South Seward Street
Juneau, AK 99801
Phone: (907) 586-0467
Fax: (907) 586-3365
E-mail: Ronald_Schramm@ci.juneau.ak.us
From: Jane Sebens  
Sent: Wednesday, February 20, 2013 3:58 PM  
To: Charlie Ford; Hal Hart; Greg Chaney; Eric Feldt  
Cc: Ronald Schramm; Teri Camery; Janet Mehl  
Subject: RE: Coalaska, Inc. db/a Secon Stop Work Order  

I suggest that Charlie print, date and sign this—and then Ron take a stack of copies of it to serve on whoever is out there performing or directing work. Ron should document who he hands them to (preferably by name—or by description) and the time—Then a laminated (?) one should be securely “posted in a conspicuous location on the site.” Finally, we need to serve the owner or owner’s representative with a copy of the order—

Jane E. Sebens  
Deputy City Attorney  
City and Borough of Juneau  
155 South Seward  
Juneau, Alaska 99801  

Direct phone (907) 586-0275  
Fax (907) 586-1147  
Jane_Sebens@ci.junea.ak.us

From: Jane Sebens  
Sent: Wednesday, February 20, 2013 3:47 PM  
To: Charlie Ford; Hal Hart; Greg Chaney  
Cc: Ronald Schramm; Teri Camery; Janet Mehl  
Subject: Coalaska, Inc. db/a Secon Stop Work Order  

Here it is—suggested service process to follow.
From: Greg Chaney  
Sent: Wednesday, February 20, 2013 7:08 PM  
To: Hal Hart; John Hartle; Jane Sebens; Ronald Schramm; Teri Camery; Charlie Ford; Eric Feldt  
Subject: RE: Secon Lemon Creek Gravel Extraction photos.  
I brought the files over to Deb Senn on a flash drive so they should be available to the folks at Law now.  

Cheers,  
- Greg

From: Hal Hart  
Sent: Wednesday, February 20, 2013 5:50 PM  
To: Greg Chaney  
Subject: FW: Secon Lemon Creek Gravel Extraction photos.  

fyi

From: John Hartle  
Sent: Wednesday, February 20, 2013 4:03 PM  
To: Teri Camery; Ronald Schramm; Hal Hart; Charlie Ford; Eric Feldt  
Subject: RE: Secon Lemon Creek Gravel Extraction photos.  

The neighbor told me she had lots of photos, and that there were seven pieces of heavy equipment in the creek today, right in front of her condo (outside the area marked in the “mining plan.”)

From: Teri Camery  
Sent: Wednesday, February 20, 2013 3:34 PM  
To: Ronald Schramm; Hal Hart; Charlie Ford; John Hartle; Eric Feldt  
Subject: RE: Secon Lemon Creek Gravel Extraction photos.  

Nope, I don’t have an I drive folder at the moment. I transferred it all over to the G drive under MIS orders and haven’t switched it back yet. So let’s keep it all in your file for now.

Teri Camery, Senior Planner  
City and Borough of Juneau  
Community Development Department  
155 S. Seward  
Juneau, AK 99801  
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

From: Ronald Schramm  
Sent: Wednesday, February 20, 2013 3:33 PM  
To: Hal Hart; Teri Camery; Charlie Ford; John Hartle; Eric Feldt  
Subject: Secon Lemon Creek Gravel Extraction photos.  
Importance: High
I am going to place a copy of the folder in the CDD staff's I drive folders. Teri, I am hoping in the “I” drive your folder is “TSC.”

Also, I will link it for the non-CDD staff. It is as follows in the “I” Drive:

I:\Ron_Schramm\Secon Lemon Creek Gravel Extraction

RON SCHRAMM  
Code Compliance Officer II  
CBJ Community Development Department  
155 South Seward Street  
Juneau, AK  99801  
Phone: (907) 586-0467  
Fax:  (907) 586-3365  
E-mail: Ronald_Schramm@ci.juneau.ak.us
From: KIDD, Bryce (JUNSC) [BKidd@COLASKA.com]
Sent: Thursday, February 21, 2013 9:02 AM
To: Eric Feldt
Subject: FW: Lemon Creek USE2012-0019 Notice of Mining 2013
Attachments: CBJ Cover Letter.doc; Extraction Location 2013.JPG; Lemon Creek Mining Areas.2013.v2.pdf

Eric,

Please see attached original mining plan submitted December 12th as well as an amended drawing (PDF file). I’ll check in with you in an hour or so and see where we’re at in getting the grading permit issued and the stop work order released.

Thanks,
Bryce

From: SHORT, Michael (JUNSC)
Sent: Wednesday, December 12, 2012 3:40 PM
To: Ron King
Cc: KIDD, Bryce (JUNSC); SVINICKI, Buckley (JUNSC); DUDLEY, Tim (JUNSC); DUDLEY, Craig (JUNSC)
Subject: Lemon Creek USE2012-0019 Notice of Mining 2013

Mr. King please find the attached letter and mining plan for Lemon Creek Gravel Extraction 2013.

Michael Short
Secon
Engineering Manager
1836 Anka Street
Juneau, AK 99801
P.O. Box 32159
Juneau, AK 99801
Office (907) 780-5145
Cell (907) 378-4767
December 12, 2012

The City and Borough of Juneau Permit Center
155 South Seward Street
Juneau, Alaska
99801

To Whom It May Concern:

Colaska Inc. dba SECON holds authorizations to operate the Lemon Creek Horceny Gravel Mine (State ID No. AK 0611-05J) from the following agencies:

- Army Corp of Engineers, POA-1983-20-M3
- Alaska Department of Fish and Game, Fish Habitat Permit FH06-I-0128(a)
- City and Borough of Juneau, USE2012-0019
- The State of Alaska Department of Environmental Conservation is anticipating issuing an extension to the Letter of Reasonable Assurance in January per a phone conversation with Ms. Brenda Krauss of DEC on December 12, 2012.

SECON is authorized to extract up to 210,000 CY of material from the creek bed over a period of up to six years.

This letter is to inform that SECON will commence the mining year 2013 of gravel extraction at the end of January. It is our intention to extract less than 35,000 cubic yards of material from the creek.

Access to the creek will be the same as the previous year. It is not our intention to alter the flow of the creek in any way while extraction activities are underway, and no culverts or berms will be necessary. Please see the attachment which shows the areas to be worked.

A vibration monitoring plan is being prepared at this time and will be submitted to CBJ Engineering for the grading plan.

Tom Weed’s services will be retained for periodic inspections of the operation.

Sincerely,

Buck Svinicki
From: Greg Chaney
Sent: Thursday, February 21, 2013 9:21 AM
To: Eric Feldt; Hal Hart; Charlie Ford
Cc: Teri Camery; Ron King
Subject: RE: Lemon Creek USE2012-0019 Notice of Mining 2013

If these are official submittals for Secon’s gravel extraction operation, they should be included in the file and Engineering should be notified.

Based on the complexity of the operation, I had expected that a “Mining Plan” would be more detailed than a couple of polygons on an aerial photograph. In any event, in light of the misunderstandings that resulted in the “Stop Work order” we should be absolutely sure that everything is acceptable before we issue the grading permit. The Conditional Use Permit states we have 30 days to review the mining plan, so we can take the time necessary to get it right.

From: Eric Feldt
Sent: Thursday, February 21, 2013 9:04 AM
To: Greg Chaney; Hal Hart; Charlie Ford
Subject: FW: Lemon Creek USE2012-0019 Notice of Mining 2013

Bryce is amending the previously-submitted mining plan to substitute mining the lower island with the upper island in the attachments.

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Thursday, February 21, 2013 9:02 AM
To: Eric Feldt
Subject: FW: Lemon Creek USE2012-0019 Notice of Mining 2013

Eric,

Please see attached original mining plan submitted December 12th as well as an amended drawing (PDF file). I’ll check in with you in an hour or so and see where we’re at in getting the grading permit issued and the stop work order released.

Thanks,
Bryce
From: SHORT, Michael (JUNSC)
Sent: Wednesday, December 12, 2012 3:40 PM
To: Ron King
Cc: KIDD, Bryce (JUNSC); SVINICKI, Buckley (JUNSC); DUDLEY, Tim (JUNSC); DUDLEY, Craig (JUNSC)
Subject: Lemon Creek USE2012-0019 Notice of Mining 2013

Mr. King please find the attached letter and mining plan for Lemon Creek Gravel Extraction 2013.

Michael Short

Secon
Engineering Manager
1836 Anka Street
Juneau, AK 99801
P.O. Box 32159
Juneau, AK 99801
Office (907) 780-5145
Cell (907) 378-4767
From: Hal Hart
Sent: Thursday, February 21, 2013 10:34 AM
To: Greg Chaney; Teri Camery; Ronald Schramm; Charlie Ford; Eric Feldt; John Hartle; Jane Sebens; Ron King
Subject: RE: Secon Lemon Creek Gravel Extraction

Thanks Greg.

My concern is that we set the bar clearly for the next submittals as well. The gravel is going to continue to be mined in the future. The standards we use for the grading application and CUP this time should be baseline request for our dealings in the future. We will want to monitor this operation for future reference and potential issues later.

Hal

From: Greg Chaney
Sent: Thursday, February 21, 2013 8:27 AM
To: Hal Hart; Teri Camery; Ronald Schramm; Charlie Ford; Eric Feldt; John Hartle; Jane Sebens; Ron King
Subject: Secon Lemon Creek Gravel Extraction

I want to make sure that our next step is coordinated. I'm concerned that CBJ staff will be requested to issue the permit without an appropriate review.

As I see it, the following things need to happen in order:

Stop Work Order served to appropriate parties

Conversation with Secon to explain that they are working outside of their proposed Mining Plan area

New Mining Plan submitted by Secon that reflects what they intend to do

Review Mining Plan to make sure it meets the standards for review and approval. The CU states that the Mining Plan must be submitted 30 days prior to the actual mining activity so we should be able to take a day or two to do a careful review

If everything is in order, issue the Grading Permit.

In parallel with the above effort, we need to investigate what has been done without a grading permit and follow up with appropriate measures.

Greg Chaney
From: Ron King  
Sent: Thursday, February 21, 2013 11:36 AM  
To: Eric Feldt  
Cc: Alan Steffert; Hal Hart  
Subject: RE: SECON's Lemon Creek Gravel Extraction  
Attachments: Vibration Monitoring Plan.pdf

This monitoring plan is the same as the previous plan reviewed/approved by Alan Steffert and GE with the addition of an engineer's seal (Ed Sessions). Although the CBJ Standard Specifications does not require a licensed engineer the condition set forth by the Planning Commission has been met.

From: Eric Feldt  
Sent: Wednesday, February 20, 2013 3:57 PM  
To: Teri Camery; Ron King  
Subject: FW: SECON's Lemon Creek Gravel Extraction

Here's a stamped plan.

Eric Feldt, Planner II, C.F.M.  
Community Development Dept.  
155 South Seward Street  
City & Borough of Juneau, Alaska  
Ph: (907) 586-0764  
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]  
Sent: Wednesday, February 20, 2013 3:55 PM  
To: Eric Feldt  
Subject: RE: SECON's Lemon Creek Gravel Extraction

Eric,

Please see attached the stamped vibration monitoring plan.

Let me know if you need anything else.

Thanks,  
Bryce

From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]  
Sent: Wednesday, February 20, 2013 12:45 PM  
To: KIDD, Bryce (JUNSC)  
Subject: RE: SECON's Lemon Creek Gravel Extraction
Condition 15 of the attached Notice of Decision of the Conditional Use permit for gravel extraction requires the plan to be established by a licensed engineer.

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Wednesday, February 20, 2013 12:35 PM
To: Eric Feldt
Subject: RE: SECON's Lemon Creek Gravel Extraction

Eric,

Which condition states that the vibration plan will be stamped and signed by a licensed engineer?

From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]
Sent: Wednesday, February 20, 2013 12:22 PM
To: KIDD, Bryce (JUNSC)
Subject: RE: SECON's Lemon Creek Gravel Extraction

Bryce,

I could have stated that differently: According to a condition of the Conditional Use permit, the Vibration Monitoring Plan needs to be stamped and signed by a Licensed Engineer. Once this is received, we can issue the Building permit for the gravel extraction.

Thank you,

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Wednesday, February 20, 2013 10:28 AM
To: Eric Feldt
Cc: SHORT, Michael (JUNSC)
Subject: RE: SECON’s Lemon Creek Gravel Extraction

Eric,

It does not state anywhere in our submitted plan that a technician will establish maximum thresholds. The thresholds are established in the first paragraph of the plan and were agreed upon based on consultation with CBJ engineering and a P.E..

Thanks,
Bryce

From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]
Sent: Wednesday, February 20, 2013 8:51 AM
To: KIDD, Bryce (JUNSC)
Subject: RE: SECON’s Lemon Creek Gravel Extraction

Bryce,

RE: Vibration Control Plan

The conditions states a licensed engineer shall establish the maximum safe threshold for seismic activity. The submitted plan states a technician will perform this. Will this technician be a SECON licensed engineer?

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Tuesday, February 19, 2013 4:19 PM
To: Eric Feldt
Subject: RE: SECON’s Lemon Creek Gravel Extraction

Eric,

Please see attached the Vibration Monitoring Plan which was submitted on January 18th.

Thanks,
Bryce

From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]
Bryce,

I am reviewing the Grading permit (BLD2013-65) for SECON's Lemon Creek gravel extraction project. The last element needing to be submitted to issue this Grading permit is a Vibration Control plan, as required under Conditional Use permit (USE2012-19). Please submit this plan to the Permit Center or scan and email it to me.

Thank you,

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.
Vibration Monitoring Plan

Conditional USE2012-019


Specifications

CBJ Standard Specifications for Civil Engineering Projects and Subdivision Improvements December 2003 is being used to establish a monitoring plan for the Lemon Creek gravel extraction. Section 02099 Blasting Controls, 3.10 Vibrations Limits, Part A defines two limits based on frequency that will be used for the upper limits of this plan for a Peak Particle Velocity (PPV). A maximum threshold of 2 inches per second for any frequency over 40-Hz and a maximum threshold of 0.75 PPV for any frequency less than 40-Hz.

Definitions

Active Monitoring – A technician monitors and logs events happening during mining activities from all the vibration monitors, what mining is currently happening and if any noticeable local environmental events occur. Technician is there to notify the supervisor if a threshold is being threatened from the mining activity.

Passive Monitoring – The unit is setup to record vibrations that exceed a limit. It only records when an event happens that triggers the monitor.

PPV – Peak Particle Velocity

Equipment

1 each - Blast Mate III
2 each – Mini Mate Plus
Plan

SECON is establishing a two part plan. First part is a testing phase to determine the impact the gravel extraction has in transmitting energy through the ground to the surrounding structures. The second part is how the monitoring is to transpire based on this test.

There are 46 lots with what appears to be 26 structures that border the gravel extraction parcel. Of these properties only one structure has complained as to the mining activities. The monitoring will be orientated to this structure. The property manager has granted permission to set monitoring units on the property.

Mr. Short - I am the Property Manager for the Riveredge Park Association. The HOA Board has requested that I correspond with you to offer two spots to place seismic monitoring devices - the boiler rooms in each of the two buildings. I can provide access to these rooms so you can place the devices and to monitor them as appropriate.

This will go a long way in relieving some of the animosity that has developed as a result of previous extraction activities.

Please contact me directly for access to these rooms. Also, do not hesitate to contact me if you have any questions.

Jim Preston
Broker
Jim Preston Realty
(907) 321-2288

Part 1

SECON will perform a series of tests to determine the ground motion generated from the mining equipment. The monitoring equipment will be setup in a linear alignment from the condominiums property towards the proposed gravel extraction location.

The Monitors will be activated before any mining is started. This is to record the existing environmental activity. This will give a signature of the existing “happenings/activities” and there corresponding wave signature.

To monitor the mining equipment working the following test will be performed. Starting at the farthest extraction point from the monitors/condominiums a test pit will be started. The activity will be recorded. If the vibration results are below the above specifications a new test hole will be perform closer to the monitors. This will proceed until either the PPV threshold is met or a test hole is performed next to a monitoring unit and the PPV threshold as stated in the above specifications has not been achieved.
If during the test procedure the PPV threshold is not achieved:

If the PPV threshold is not achieved during this test, active monitoring will not be required.

1. A single unit will be setup to trigger on the upper thresholds during the mining activities.
2. The test report will be submitted to engineering.
3. A report of the passive monitoring will be submitted to CBJ engineering on a monthly report.

The PPV threshold is achieved during the test phase:

If the PPV threshold is meet/exceeded the distance from the test pit and the monitoring unit is then established. That distance will be used to calculate the nearest that the mining operations can be done safely to the structures.

1. Any time mining operations happen within this established distance active monitoring will happen. A technician will monitor the vibration units for PPV levels and report to the supervisor.
2. When mining is outside of this “safe distance” passive monitoring will take place with daily review of monitoring of the activities.
3. The test report will be submitted to engineering.
4. A report of the monitoring will be submitted to CBJ engineering on a monthly report.
From: Ron King  
Sent: Thursday, February 21, 2013 2:38 PM  
To: Eric Feldt; Hal Hart; Greg Chaney  
Subject: RE: SECON

Eric, per our discussion the drawings, marking all 3 locations for gravel extraction within the Lemon Creek drainage are approved and shall be made part of BLD20130065.

Ron King

From: Eric Feldt  
Sent: Thursday, February 21, 2013 1:44 PM  
To: Ron King; Hal Hart; Greg Chaney  
Subject: RE: SECON

In addition to receiving an approved mining plan including bar 3 (northern island), SECON also needs to stake a 10-foot no-development buffer from the creek banks and property lines for bar 3. Once the staking is complete and their amended mining plan is approved, then all conditions should be satisfied for issuing the grading permit.

Eric Feldt, Planner II, C.F.M.  
Community Development Dept.  
155 South Seward Street  
City & Borough of Juneau, Alaska  
Ph: (907) 586-0764  
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: Ron King  
Sent: Thursday, February 21, 2013 12:45 PM  
To: Eric Feldt  
Cc: Hal Hart; Greg Chaney  
Subject: SECON

Eric, besides the fact that Secon is working in the stream prematurely has there been any complaints about vibration? I have had no phone calls or complaints in reference to vibration, noise or street conditions.
From: KIDD, Bryce (JUNSC) [BKidd@COLASKA.com]
Sent: Thursday, February 21, 2013 2:44 PM
To: Eric Feldt
Subject: RE: SECON Lemon Creek Extraction
Attachments: IMG_1476.jpg; IMG_1477.JPG

Eric,

Stake are in.

Thanks,
Bryce

From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]
Sent: Thursday, February 21, 2013 2:01 PM
To: KIDD, Bryce (JUNSC)
Subject: SECON Lemon Creek Extraction

Bryce,

The General Engineering (GE) Dept. is still reviewing the revise mining plan to include bar 3 for SECON's Lemon Creek extraction project. The pictures submitted with the grading permit show stakes in the area of bar 2, but not bar 3. According to the Conditional Use permit Conditions 4, 9, and 10, all excavations shall be at least 10 feet away from the creek banks and property lines. Marking this distance shall be completed through staking. This has been completed at bar 2, as shown in the submitted pictures in the grading file. Please stake this distance on bar 3 and contact the Community Development Dept. I will contact you when the GE Dept. is finished reviewing the amended grading plan.

Thank you,

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.
From: Greg Chaney
Sent: Thursday, February 21, 2013 2:49 PM
To: Ron King; Eric Feldt; Hal Hart
Subject: RE: SECON

Yes. They said they hired a professional videographer to document items shaking in their house. I haven’t seen the video.

From: Ron King
Sent: Thursday, February 21, 2013 2:39 PM
To: Greg Chaney; Eric Feldt; Hal Hart
Subject: RE: SECON

Vigorous complaints, any that claim vibration?

From: Greg Chaney
Sent: Thursday, February 21, 2013 1:51 PM
To: Eric Feldt; Ron King; Hal Hart
Subject: RE: SECON

I have received vigorous complaints from the Dau’s but the complaints were also provided to Secon as well. The Dau’s have filed a motion requesting a that the project be put on hold until the issue is decided by the Assembly. I believe that John Hartle has been informed of the issue. I don’t know what the outcome will be but in the meantime it would be good to get the staking done.

Cheers,

Greg

From: Eric Feldt
Sent: Thursday, February 21, 2013 1:44 PM
To: Ron King; Hal Hart; Greg Chaney
Subject: RE: SECON

In addition to receiving an approved mining plan including bar 3 (northern island), SECON also needs to stake a 10-foot no-development buffer from the creek banks and property lines for bar 3. Once the staking is complete and their amended mining plan is approved, then all conditions should be satisfied for issuing the grading permit.

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365
Please consider the environment before printing this email.

The Truth will set you free.

From: Ron King
Sent: Thursday, February 21, 2013 12:45 PM
To: Eric Feldt
Cc: Hal Hart; Greg Chaney
Subject: SECON

Eric, besides the fact that Secon is working in the stream prematurely has there been any complaints about vibration? I have had no phone calls or complaints in reference to vibration, noise or street conditions.
From: Hal Hart  
Sent: Thursday, February 21, 2013 3:15 PM  
To: Eric Feldt  
Subject: RE: SECON's Lemon Creek Gravel Extraction  
The important item is the stop work order was issued yesterday. Keep up the good work Eric.

From: Eric Feldt  
Sent: Thursday, February 21, 2013 11:55 AM  
To: Alan Steffert; Ron King  
Cc: Hal Hart  
Subject: RE: SECON's Lemon Creek Gravel Extraction  
We are aware of it, and have taken lots of pictures already. Their permit hasn’t been issued.

Eric Feldt, Planner II, C.F.M.  
Community Development Dept.  
155 South Seward Street  
City & Borough of Juneau, Alaska  
Ph: (907) 586-0764  
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: Alan Steffert  
Sent: Thursday, February 21, 2013 11:54 AM  
To: Eric Feldt; Ron King  
Cc: Hal Hart  
Subject: RE: SECON's Lemon Creek Gravel Extraction  
FYI Secon has been mining the creek bed all week. I checked it out yesterday. They have moved a lot of material already. It doesn’t look like the frost layer is significant this year (so no vibrations at the condos?). The roads are looking a lot cleaner this year as well.
Alan

From: Eric Feldt  
Sent: Thursday, February 21, 2013 11:37 AM  
To: Ron King  
Cc: Alan Steffert; Hal Hart  
Subject: RE: SECON's Lemon Creek Gravel Extraction  
The only difference is the new signature and stamp.

Eric Feldt, Planner II, C.F.M.  
Community Development Dept.  
155 South Seward Street
This monitoring plan is the same as the previous plan reviewed/approved by Alan Steffert and GE with the addition of an engineer’s seal (Ed Sessions). Although the CBJ Standard Specifications does not require a licensed engineer the condition set forth by the Planning Commission has been met.
From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]
Sent: Wednesday, February 20, 2013 12:45 PM
To: KIDD, Bryce (JUNSC)
Subject: RE: SECON's Lemon Creek Gravel Extraction

Condition 15 of the attached Notice of Decision of the Conditional Use permit for gravel extraction requires the plan to be established by a licensed engineer.

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Wednesday, February 20, 2013 12:35 PM
To: Eric Feldt
Subject: RE: SECON's Lemon Creek Gravel Extraction

Eric,

Which condition states that the vibration plan will be stamped and signed by a licensed engineer?

From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]
Sent: Wednesday, February 20, 2013 12:22 PM
To: KIDD, Bryce (JUNSC)
Subject: RE: SECON's Lemon Creek Gravel Extraction

Bryce,

I could have stated that differently: According to a condition of the Conditional Use permit, the Vibration Monitoring Plan needs to be stamped and signed by a Licensed Engineer. Once this is received, we can issue the Building permit for the gravel extraction.

Thank you,

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.
The Truth will set you free.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Wednesday, February 20, 2013 10:28 AM
To: Eric Feldt
Cc: SHORT, Michael (JUNSC)
Subject: RE: SECON’s Lemon Creek Gravel Extraction

Eric,

It does not state anywhere in our submitted plan that a technician will establish maximum thresholds. The thresholds are established in the first paragraph of the plan and were agreed upon based on consultation with CBJ engineering and a P.E..

Thanks,
Bryce

From: Eric Feldt [mailto:Eric_Feldt@ci.juneau.ak.us]
Sent: Wednesday, February 20, 2013 8:51 AM
To: KIDD, Bryce (JUNSC)
Subject: RE: SECON’s Lemon Creek Gravel Extraction

Bryce,

RE: Vibration Control Plan

The conditions states a licensed engineer shall establish the maximum safe threshold for seismic activity. The submitted plan states a technician will perform this. Will this technician be a SECON licensed engineer?

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: KIDD, Bryce (JUNSC) [mailto:BKidd@COLASKA.com]
Sent: Tuesday, February 19, 2013 4:19 PM
To: Eric Feldt
Subject: RE: SECON’s Lemon Creek Gravel Extraction

Eric,

Please see attached the Vibration Monitoring Plan which was submitted on January 18th.
Bryce,

I am reviewing the Grading permit (BLD2013-65) for SECON’s Lemon Creek gravel extraction project. The last element needing to be submitted to issue this Grading permit is a Vibration Control plan, as required under Conditional Use permit (USE2012-19). Please submit this plan to the Permit Center or scan and email it to me.

Thank you,

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.
From: Ron King  
Sent: Thursday, February 21, 2013 2:38 PM  
To: Eric Feldt; Hal Hart; Greg Chaney  
Subject: RE: SECON

Eric, per our discussion the drawings, marking all 3 locations for gravel extraction within the Lemon Creek drainage are approved and shall be made part of BLD20130065.

Ron King

From: Eric Feldt  
Sent: Thursday, February 21, 2013 1:44 PM  
To: Ron King; Hal Hart; Greg Chaney  
Subject: RE: SECON

In addition to receiving an approved mining plan including bar 3 (northern island), SECON also needs to stake a 10-foot no-development buffer from the creek banks and property lines for bar 3. Once the staking is complete and their amended mining plan is approved, then all conditions should be satisfied for issuing the grading permit.

---

Eric Feldt, Planner II, C.F.M.  
Community Development Dept.  
155 South Seward Street  
City & Borough of Juneau, Alaska  
Ph: (907) 586-0764  
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

---

From: Ron King  
Sent: Thursday, February 21, 2013 12:45 PM  
To: Eric Feldt  
Cc: Hal Hart; Greg Chaney  
Subject: SECON

Eric, besides the fact that Secon is working in the stream prematurely has there been any complaints about vibration? I have had no phone calls or complaints in reference to vibration, noise or street conditions.
From: Hal Hart  
Sent: Thursday, February 21, 2013 5:28 PM  
To: Eric Feldt; Ron King  
Cc: Greg Chaney; Rorie Watt  
Subject: RE: SECON Lemon Creek Extraction  

Team up with Ron and go as a team! Thanks so much. Hal

From: Eric Feldt  
Sent: Thursday, February 21, 2013 3:10 PM  
To: Greg Chaney; Hal Hart; Ron King  
Subject: FW: SECON Lemon Creek Extraction  

I can go out to the site first thing tomorrow morning to check the staking distances. Bryce sent me these pictures of stakes located on bar 3. Basing our decision on these pictures are insufficient. After tomorrow, we will know what is left to issue the permit. The staking is the last remaining element prior to issuance.

Eric Feldt, Planner II, C.F.M.  
Community Development Dept.  
155 South Seward Street  
City & Borough of Juneau, Alaska  
Ph: (907) 586-0764  
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

From: KIDD, Bryce (JUNSC)  
Sent: Thursday, February 21, 2013 2:44 PM  
To: Eric Feldt  
Subject: RE: SECON Lemon Creek Extraction  

Eric,

Stake are in.

Thanks,  
Bryce

From: Eric Feldt  
Sent: Thursday, February 21, 2013 2:01 PM  
To: KIDD, Bryce (JUNSC)  
Subject: SECON Lemon Creek Extraction  

Bryce,
The General Engineering (GE) Dept. is still reviewing the revise mining plan to include bar 3 for SECON's Lemon Creek extraction project. The pictures submitted with the grading permit show stakes in the area of bar 2, but not bar 3. According to the Conditional Use permit Conditions 4, 9, and 10, all excavations shall be at least 10 feet away from the creek banks and property lines. Marking this distance shall be completed through staking. This has been completed at bar 2, as shown in the submitted pictures in the grading file. Please stake this distance on bar 3 and contact the Community Development Dept. I will contact you when the GE Dept. is finished reviewing the amended grading plan.

Thank you,

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.
From: Greg Chaney  
Sent: Friday, February 22, 2013 10:32 AM  
To: Teri Camery; 'Jackie Timothy'; 'neil_stichert@fws.gov'; Randal.P.Vigil@poa02.usace.army.mil  
Cc: Eric Feldt  
Subject: RE: Lemon Creek gravel extraction fill in creek  

Based on our staff’s review, CBJ CDD anticipates issuing the grading permit after noon today.

From: Teri Camery  
Sent: Friday, February 22, 2013 10:25 AM  
To: 'Jackie Timothy'; 'neil_stichert@fws.gov'; Randal.P.Vigil@poa02.usace.army.mil  
Cc: Greg Chaney; Eric Feldt  
Subject: Lemon Creek gravel extraction fill in creek  

Hello Jackie, Neil, and Randy,  

SECON gravel extraction in Lemon Creek began last Saturday. However CBJ issued a stop-work order on the project on Thursday because SECON does not have a grading permit for the activity. The work is on hold until the grading permit has been approved.

CBJ staff has taken a number of photos to ensure that the development meets the project description and conditions in the Conditional Use Permit. The project description states that steel bridges will be placed between gravel bars. We can’t find any mention of the need for additional fill within the stream to support the steel bridges. So we are wondering if this activity conforms with ADF&G and Corps of Engineers permits.

The work has been stopped right now, however the work done to date is apparent on the site if you are able to make a site visit. In the meantime, we have attached a photo for your review which shows the additional fill at the base of the steel bridges for support. Please let us know if this a concern or not.

Thank you,  
Teri Camery  

Teri Camery, Senior Planner  
City and Borough of Juneau  
Community Development Department  
155 S. Seward  
Juneau, AK 99801  
(907) 586-0755 phone; (907) 586-3365 fax  

Please consider the environment before printing this email.
Teri,

It appears that the work in your photo would comply with that authorized in our 2008 modification for temporary "jump" ramps.

Randy

-----Original Message-----
From: Teri Camery [mailto:Teri_Camery@ci.juneau.ak.us]
Sent: Friday, February 22, 2013 10:25 AM
To: 'Jackie Timothy'; 'neil_stichert@fws.gov'; Vigil, Randal P POA
Cc: Greg Chaney; Eric Feldt
Subject: Lemon Creek gravel extraction fill in creek

Hello Jackie, Neil, and Randy,

SECON gravel extraction in Lemon Creek began last Saturday. However CBJ issued a stop-work order on the project on Thursday because SECON does not have a grading permit for the activity. The work is on hold until the grading permit has been approved.

CBJ staff has taken a number of photos to ensure that the development meets the project description and conditions in the Conditional Use Permit. The project description states that steel bridges will be placed between gravel bars. We can't find any mention of the need for additional fill within the stream to support the steel bridges. So we are wondering if this activity conforms with ADF&G and Corps of Engineers permits.

The work has been stopped right now, however the work done to date is apparent on the site if you are able to make a site visit. In the meantime, we have attached a photo for your review which shows the additional fill at the base of the steel bridges for support. Please let us know if this a
Thank you,

Teri Camery

Teri Camery, Senior Planner
City and Borough of Juneau
Community Development Department
155 S. Seward
Juneau, AK 99801

(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

Classification: UNCLASSIFIED
Caveats: NONE
Mr. Buckley Svinicki  
SECON, Southeast Alaska  
Post Office Box 32159  
Juneau, Alaska 99801

Dear Mr. Svinicki:

Enclosed is the signed Department of the Army (DA) permit modification, file number POA-1983-20-M4, Lemon Creek. This is the 4th permit modification of the original permit. Also enclosed is a Notice of Authorization that should be posted in a prominent location near the authorized work.

If changes to the plans or location of the work are necessary for any reason, plans must be submitted to us immediately. Federal law requires approval of any changes before construction begins.

Nothing in this letter excuses you from compliance with other Federal, State, or local statutes, ordinances, or regulations.

Also enclosed is a Notification of Administrative Appeals Options and Process and Request for Appeal form regarding this DA Permit Modification (see section labeled "Initial Proffered Permit").

Please contact me via email at Randal.P.Vigil@usace.army.mil, by mail at the address above, or by phone at (907) 790-4491, if you have questions.

Sincerely,

Randal P. Vigil  
Project Manager

Enclosures
Department of the Army permit number POA-193-20-N, Lemon Creek, was issued to Mr. Ralph Horecn on February 20, 2008, to place fill below the ordinary high water mark (OHWM) in Lemon Creek to serve as water diversion dikes and to construct temporary access to the riverbed.

On April 16, 2008, the permit was transferred to Colaska Incorporated, DBA SECON.

On December 22, 2008, the permit was modified to rescind the placement of fill below OHWM of Lemon Creek to construct a temporary access ramp from the intersection of Anka Street and Ralph's Way down to the creek bed. The permittee was authorized to provide access to the creek bed via two portable access ramps placed respectively at 1721 and 1791 Anka Street, with the lower end of each ramp supported by up to approximately 30 cubic yards of material placed into approximately 450 square feet of waters of the United States. The permittee was also authorized to place two "Jump Ramps" to span the thalweg, including placement of up to ten cubic yards of material for approaches for each jump ramp.

The project site is located within Section 34, T. 40 S., R. 66 E., Copper River Meridian; USGS Quad Map Juneau B-2; Latitude 58.359° N., Longitude 134.488° W.; on Parcel 2, Mendota Park Subdivision, U.S.S. 204, Plat #2005-13, adjacent to Anka Street, in Juneau, Alaska.

In accordance with your request, General Condition No. 1 of the permit is hereby amended to read as follows:

The time limit for completing the work authorized ends on February 28, 2018. If you find that you need more time to complete the authorized activity, please submit your request for a time extension to the Corps of Engineers for consideration at least one month before permit expiration.

Special Condition number 3 (Fish Habitat Restoration) of the original permit is hereby rescinded. All other conditions under which the subject authorization was made remain in full force and effect.

This authorization and the enclosed modified plans should be attached to the original permit. Also enclosed is a Notice of Authorization that should be posted in a prominent location near the authorized work.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

[Signature]
Randal P. Vigil
Project Manager
NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: Colaska, Inc., DBA SECON  
File Number: POA-1983-20-M4  
Date: February 21, 2013

Attached is: See Section below

| XX | INITIAL PROFFERED PERMIT (Standard Permit or Letter of Permission) | A |
| PROFFERED PERMIT (Standard Permit or Letter of Permission) | B |
| PERMIT DENIAL | C |
| APPROVED JURISDICTIONAL DETERMINATION | D |
| PRELIMINARY JURISDICTIONAL DETERMINATION | E |

THIS REQUEST FOR APPEAL FORM MUST BE RECEIVED BY: April 22, 2013

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/CECW/Pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.
   • ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the District Engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
   • OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the District Engineer. Your objections must be received by the District Engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the District Engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or, (c) not modify the permit, having determined that the permit should be issued as previously written. After evaluating your objections, the District Engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit.
   • ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the District Engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
   • APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the Division Engineer. This form must be received by the Division Engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the Division Engineer. This form must be received by the Division Engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION (JD): You may accept or appeal the approved JD or provide new information.
   • ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
   • APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the Division Engineer. This form must be received by the Division Engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the Preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also, you may provide new information for further consideration by the Corps to reevaluate the JD.
SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

In order for a Request For Appeal to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division Office within 60 days of the date of the Notice of Appeal Process. It is not necessary to submit a Request For Appeal form to the Division office if you do not object to the decision.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

Randal P. Vigil
Alaska District Corps of Engineers
Juneau Regulatory Field Office (CEPOA-E-J)
8800 Glacier Highway, Suite 106
Juneau, Alaska 99801-8079
(907) 790-4491

If you only have questions regarding the appeal process you may also contact:

Commander
USAED, Pacific Ocean Division
ATTN: CEPOD-PDC/Cindy Barger
Building 525
Fort Shafter, HI 96858-5440

To submit this form, mail to the address above

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15-day notice of any site investigation, and will have the opportunity to participate in all site investigations.

Signature of appellant or agent.

Date:

Telephone number:

Page 388
A Certificate of Reasonable Assurance, in accordance with Section 401 of the Federal Clean Water Act and the Alaska Water Quality Standards is re-issued to Colaska, Incorporated, DBA SECON, PO Box 32159, Juneau, AK 99803 for placement of fill material in waters of the U.S. in association with the placement of clean gravel fill for the purpose of installing berms in Lemon Creek to divert the creek waters around a gravel mining operation. A State Water Quality Certification is required under Section 401 because the proposed activity will be authorized by a U.S. Army Corps of Engineers permit, reference number POA 1983-20-M3, and a discharge of pollutants to waters of the U.S. located in the State of Alaska may result from the proposed activity. Public notice of the application for this certification was given as required by 18 AAC 15.180 in the Corps Public Notice POA 1983-20-N posted from November 1, 2006 to December 1, 2006.

Up to 200,000 cubic yards of sand and gravel would be removed from the bed of Lemon Creek. Access to the creek bed would be accomplished via two portable access ramps placed respectively at 1721 and 1791 Anka Street, with the lower end of each ramp supported by up to approximately 30 cubic yards of material placed into approximately 450 square feet of waters of the United States. The permittee shall also place two "jump ramps" to span the thalweg, including placement of up to ten cubic yards of material for approaches for each ramp. Five 48-in diameter, up to 40-ft long culverts will be temporarily installed for the creek to pass through while mining occurs. All materials used in building the structure will be stored above the ordinary high water when not in use. The culverts will be pulled from the river every year by March 15th and reinstalled at the beginning of the next mining season. Clean gravel fill will be placed on the culverts to create a roadbed. Approximately 50 cubic yards of riprap will be placed on the sides of the access ramp to prevent erosion. A total of approximately 327 cubic yards of fill material would cover 0.04 acres on the access ramp. This ramp will be the only access to Lemon Creek for mining gravel.

The applicant proposes a series of eight small individual berms (10 ft wide, 3 ft high, and 1,575 ft in length) that would prevent waters from entering the area where gravel extraction is occurring. With these berms properly installed the applicant will operate equipment outside of the flowing waters of Lemon Creek. The berms would be composed of approximately 1,750 cubic yards of fill material excavated from the creek bed and would cover approximately 0.36 acres. Up to 100 cubic yards of woody debris hard points would be added to provide fish habitat in the excavated area once the gravel extraction has been completed.

DEC will, in its discretion, treat an application for a permit under Section 404 of the Clean Water Act as an application for a short-term variance from applicable water quality standards. The applicant has requested a short-term variance under 18 AAC 70.200 for the construction and removal of a temporary ramp, the construction and removal of temporary berms in Lemon Creek, and release of sediment-laden water at the conclusion of a season's mining activity. The agent has requested short-term variances for seven discrete activities for an annual total of 432 hours (18 days) during a 105 day operating period each year, or approximately 17% of the time. During that period any one variance from the water quality standard will not exceed 96 hours or 4% of the time.
For each period of seasonal operation (December 1 to March 15) the following short-term variances from the water quality standards are granted:

A. One variance, for a period not to exceed 96 hours for the construction of a temporary ramp to access the creek;

B. Four variances, each variance for a period not to exceed 48 hours for the construction of one set of parallel berms (two berms total) to create an area for equipment to operate outside of the flowing water, for a total of eight berms (a total of 192 hours);

C. One variance, for a period not to exceed 96 hours for the removal of a temporary ramp to access the creek; and

D. One variance, for a period not to exceed 48 hours for the redirection of creek flow into the new excavation.

Between each variance the applicant shall allow Lemon Creek to return to its natural condition before proceeding with the activity granted in the next variance.

The proposed activity is located within Section 34, T. 40 S., R. 66 E., Copper River Meridian, Juneau, Alaska.

The Department of Environmental Conservation (DEC) reviewed the application and certifies that there is reasonable assurance that the proposed activity, as well as any discharge which may result, will comply with applicable provisions of Section 401 of the Clean Water Act and the Alaska Water Quality Standards, 18 AAC 70, provided that the following alternative measures are adhered to.

1. Reasonable precautions and controls must be used to prevent incidental and accidental discharge of petroleum products or other hazardous substances. Fuel storage and handling activities for equipment must be sited and conducted so there is no petroleum contamination of the ground, surface runoff or water bodies. No fueling of equipment shall take place below ordinary high water.

2. During construction, spill response equipment and supplies such as sorbent pads shall be available and used immediately to contain and cleanup oil, fuel, hydraulic fluid, antifreeze, or other pollutant spills. Any spill amount must be reported in accordance with Discharge Notification and Reporting Requirements (AS 46.03.755 and 18 AAC 75 Article 3). The applicant must contact by telephone the DEC Area Response Team for Southeast Alaska (907) 465-5340 during work hours or 1-800-478-9300 after hours. Also, the applicant must contact by telephone the National Response Center at 1-800-424-8802.

3. During the work construction equipment shall not be operated below the ordinary high water mark if equipment is leaking fuel, oil, hydraulic fluid, or any other hazardous material. Equipment shall be inspected on a daily basis for leaks. If leaks are found the equipment shall not be used and pulled from service until the leak is repaired.

4. Gravel fill material or riprap imported to the creek for creation of the ramp or berms shall be free of trash or debris, and free of toxic materials in toxic amounts.
5. The period of seasonal operation shall take place between December 1 and March 15. No in-water work shall be allowed between March 16 and November 30 with the following exception: in-stream work to connect the excavated sections of the creek shall be allowed for one two-day period between May 15 and June 15.

6. The applicant shall submit to DEC one week after receipt of this certification, and by November 1 in subsequent years, a copy of the mining plan required by Condition 3 in the City and Borough of Juneau (CBJ) Conditional Use Permit Number USE2006-000054. The applicant shall include with the mining plan water pollution control and mitigation measures.

7. The applicant shall comply with Conditions 7, 8, 9, 10, 12, and 13 of the CBJ and submit to the DEC a copy of the inspection reports required by Condition 9 and the end of season mining report required by Condition 10.

8. If dewatering is to occur during material extraction, methods shall be implemented to filter or settle out suspended sediments from wastewater resulting from dewatering activities prior to its direct or indirect discharge into any natural body of water. Prior to dewatering, contact DEC (Jake Greuey, 907-269-7523), for the possible necessity of obtaining an DEC dewatering permit. Permit requirement is related to volume discharge.

9. The applicant shall notify the DEC three days prior to any ramp or berm construction or removal.

10. The applicant shall comply with the water quality standards (18 AAC 70), except the periods of short-term variance granted in this certificate. Specifically, the applicant shall comply with the water quality standard for turbidity and sediment. The water may not exceed 5 nephelometric turbidity units (NTU) above the natural conditions when the natural turbidity is 50 NTU or less, and may not have more than 10% increase in turbidity when the natural turbidity is more than 50 NTU, not to exceed a maximum increase of 25 NTU. The water may have no measurable increase in concentration of settable solids above natural conditions, as measured by the volumetric Imhoff cone.

11. The applicant, or qualified person hired by the applicant, shall take turbidity and settable solids measurements once per day each day of operation approximately 500 feet upstream of the project site at a location representative of the natural conditions of Lemon Creek. The sampling site shall be in the main flow of the creek, with the sample taken as close in time of the downstream sampling as possible. Sampling shall begin at the start of operations through the completion of seasonal operations. Sampling shall take place during the first short-term variance but does not need to occur during the subsequent periods of short-term variance, unless the Department determines further monitoring is necessary. Sampling shall be conducted in accordance with accepted analytical procedures, as described in 18 AAC 70. The sampling results and a map showing the sampling locations shall be submitted weekly to the DEC during the period of seasonal operation (as described in number 5 above).

12. The applicant, or a qualified person hired by the applicant, shall take turbidity and settable solids measurements once per each day of the operation downstream of the project site at a location representative of the water quality, not to exceed 250 feet downstream of the downstream most end of the project site. The sampling site shall be in the main flow of the creek, with the sample taken during the period of active operation. Sampling shall begin at the start of operations.
through the completion of seasonal operations. Sampling shall take place during the first short-term variance but does not need to occur during the subsequent periods of short-term variance, unless DEC determines further monitoring is necessary. Sampling shall be conducted in accordance with accepted analytical procedures as described in 18 AAC 70. The sampling results and a map showing the sampling location shall be submitted weekly to the DEC during the period of seasonal operation (as described in number 5 above).

13. During operations, if there is overflow due to insufficient capacity of bermed channels, or if there is breaching of the berms, then gravel hauling operations shall cease until corrective actions are taken and reported to DEC.

14. The applicant shall not use any chemical coagulant or flocculant to reduce turbidity or suspended sediment.

15. Compliance with this Certificate of Reasonable Assurance is subject to an annual review. DEC will use in its review the applicant’s compliance with the alternative measures of this Certificate. If the applicant does not comply with the alternative measures of this Certificate DEC will, in its discretion, revoke this Certificate.

16. Documents, reports, and notifications required under this Certificate are to be sent to the following address:

State of Alaska
Department of Environmental Conservation
Division of Water
Compliance and Enforcement Program
555 Cordova Street
Anchorage, Alaska 99501
Telephone Nationwide (877) 569-4114
Anchorage Area / International (907) 269-4114
Fax (907) 269-4604
Email: dec-wqreporting@alaska.gov

This certification expires five (5) years after the date the certification is signed. If your project is not completed by then and work under U.S Army Corps of Engineers Permit will continue, you must submit an application for renewal of this certification no later than 30 days before the expiration date (18 AAC 15.100).

Date: January 4, 2013

James Rypkema, Section Manager
Storm Water and Wetlands
Good morning, looking for your comments and expert opinion of the current operation by Secon. That has been a fatal flaw in the timeline with reference to the unissued grading permit and protest by Riveredge residents to the USE Case but time marches on!

Eric & I met with Bryce & Gene on site this morning and I found the operation compliant to previous years. Bryce had mentioned that you had visited the site earlier in the week and found the operation to be compliant as well.

After walking the site it is obvious the embankment below the Condos does not appear to be very stable. The emergency armoring that was constructed by direction of Jan Van Dort under the EMERGENCY PERMIT ISSUED BY DNR HABITAT was never approved by the developer's engineer or accepted by CBJ.

It is my hope that mining in the upstream bar will carry the creek away from the embankment during heavy runoff as the creek rises.

I pulled out the LC Interfluve report and it directly addresses the Condo embankment to include a typical method of reconstruction and habitat protection.

Be in touch ...
Ron

PS ... Neil ... Eric .... Eric ... Neil ... Eric is the lead planner moving forward... lucky eah?
The abutments are perfect. Thanks for sharing.

---

Hello Jackie, Neil, and Randy,

SECON gravel extraction in Lemon Creek began last Saturday. However CBJ issued a stop-work order on the project on Thursday because SECON does not have a grading permit for the activity. The work is on hold until the grading permit has been approved.

CBJ staff has taken a number of photos to ensure that the development meets the project description and conditions in the Conditional Use Permit. The project description states that steel bridges will be placed between gravel bars. We can’t find any mention of the need for additional fill within the stream to support the steel bridges. So we are wondering if this activity conforms with ADF&G and Corps of Engineers permits.

The work has been stopped right now, however the work done to date is apparent on the site if you are able to make a site visit. In the meantime, we have attached a photo for your review which shows the additional fill at the base of the steel bridges for support. Please let us know if this a concern or not.

Thank you,

Teri Camery

---

Teri Camery, Senior Planner
City and Borough of Juneau
Community Development Department
155 S. Seward
Juneau, AK 99801
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.
From: Stichert, Neil [neil_stichert@fws.gov]
Sent: Friday, February 22, 2013 12:56 PM
To: Vigil, Randal P POA
Cc: Jackie Timothy; Eric Feldt; Teri Camery; Greg Chaney
Subject: RE: Lemon Creek gravel extraction fill in creek (UNCLASSIFIED)

I visited the site on Wednesday and the approach and bmps in place at that time were consistent with the conditions of the existing corps permit. I asked the secon engineer to level the windrow of sidecast material at the most upstream excavation and level other disturbances to adjacent grades. He verbally agreed to do so.

I will be back in the office later today.

Neil

Classification: UNCLASSIFIED
Caveats: NONE

Teri,

It appears that the work in your photo would comply with that authorized in our 2008 modification for temporary "jump" ramps.

Randy

-----Original Message-----
From: Teri Camery [mailto:Teri_Camery@ci.juneau.ak.us]
Sent: Friday, February 22, 2013 10:25 AM
To: 'Jackie Timothy'; neil_stichert@fws.gov'; Vigil, Randal P POA
Cc: Greg Chaney; Eric Feldt
Subject: Lemon Creek gravel extraction fill in creek

Hello Jackie, Neil, and Randy,

SECON gravel extraction in Lemon Creek began last Saturday. However CBJ issued a stop-work order on the project on Thursday because SECON does not have a grading permit for the activity. The work is on hold until the grading permit has been approved.

CBJ staff has taken a number of photos to ensure that the development meets the project description and conditions in the Conditional Use Permit. The project description states that steel bridges will be placed between gravel bars. We can't find any mention of the need for additional fill within the stream to support the steel bridges. So we are wondering if this activity conforms with ADF&G and Corps of Engineers permits.
The work has been stopped right now, however the work done to date is apparent on the site if you are able to make a site visit. In the meantime, we have attached a photo for your review which shows the additional fill at the base of the steel bridges for support. Please let us know if this a concern or not.

Thank you,
Teri Camery

Teri Camery, Senior Planner
City and Borough of Juneau
Community Development Department
155 S. Seward
Juneau, AK 99801
(907) 586-0755 phone; (907) 586-3365 fax

Please consider the environment before printing this email.

Classification: UNCLASSIFIED
Caveats: NONE
Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365
CONTINUATION CERTIFICATE

The Liberty Mutual Insurance Company (hereinafter called the Surety) hereby continues in force its Bond No. 014049130 in the sum of Thirty Thousand Dollars and 00/100 ($30,000.00) Dollars, on behalf of Colaska Inc. d/b/a Secon in favor of The City and Borough of Juneau subject to all the conditions and terms thereof through December 08, 2013 at location of risk.

This Continuation is executed upon the express condition that the Surety’s liability shall not be cumulative and shall be limited at all times by the amount of the penalty stated in the bond.

IN WITNESS WHEREOF, the Surety has caused this instrument to be signed by its duly authorized Attorney-in-Fact and its corporate seal to be hereto affixed this 25th day of February, 2013.

Liberty Mutual Insurance Company
Surety

By: Aiza Lopez, Attorney-in-Fact
This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect:

ARTICLE XIV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitations as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested by the Secretary. Any power authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Corporation and the corporate seals of the Companies have been affixed thereto this 4th day of December, 2012.

STATE OF WASHINGTON
COUNTY OF KING

On this 4th day of December, 2012, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.

By: KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect as follows:

ARTICLE XII - Execution of Contracts - SECTION 5. Surety Bonds and Undertakings. Any officer of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitations as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 25th day of February, 2013.

By: David M. Carey, Assistant Secretary
From: Eric Feldt  
Sent: Monday, February 25, 2013 10:16 AM  
To: 'KIDD, Bryce (JUNSC)'  
Cc: Ron King; Hal Hart  
Subject: Lemon Creek Gravel extraction bond  

Bryce,

Our department looked to see if the 2008 bond could be rolled over for the new grading permit bond, but I noticed that it expired last year. See attachment. Please renew this bond and submit it back to our department. We will need this prior to issuance of the grading permit.

Thanks.

Eric Feldt, Planner II, C.F.M.  
Community Development Dept.  
155 South Seward Street  
City & Borough of Juneau, Alaska  
Ph: (907) 586-0764  
Fax: (907) 586-3365  

Please consider the environment before printing this email.
In order to ensure the restoration required by the Notice of Decision effective June 26, 2007 for Conditional Use Permit, USE2006-00054, and City and Borough Community Development Department, the property owner hereby guarantees the restoration of all cuts slopes in connection with gravel extraction allowed as approved under USE2006-00054 described as:

All cut slopes of the gravel extraction area shall be less than 2 horizontal to 1 vertical unless a site specific engineering analysis approved by the Community Development Department proves that a steeper slope will protect adjacent properties.

Legal Description: Juneau Recording District, City & Borough of Juneau, Mendota Park Parcel 2 (Lemon Creek Streambed), located via access of Anka Street, Juneau, Alaska.

This document is evidence that Colaska Inc. dba Secon has posted the sum of $30,000.00 to guarantee performance of the required work as described above and as required in City and Borough of Juneau Permit No.: USE2006-00054, incorporated by reference herein. Should the property owner, applicant or developer, after fourteen (14) calendar days written notification, fail to satisfactorily complete the required permitted restoration and/or improvements, the money shall be forfeited to the City and Borough of Juneau. In any event, all work must be completed by June 26, 2012, unless extended in writing by agreement of the CBJ and the property owner, applicant or developer. The City and Borough of Juneau may use the forfeited money as needed to perform the completion of the permitted work.

The property owner, applicant or developer shall notify the City and Borough Community Development Department when the restoration or improvements are completed to schedule an inspection of the site. The bond shall be returned upon written approval of the required improvements.
CITY AND BOROUGH OF JUNEAU, ALASKA
IMPROVEMENT GUARANTEE
(Page 2)

Bond Case Number: BND2008-00038

Approved as to terms and conditions, and receipt is acknowledged by a copy hereof.

Dated this 20 day of January, 2009 in Juneau, Alaska.

(property owner, applicant or developer printed name and title)

Dated this 7-0 day of January, 2009 in Juneau, Alaska.

City and Borough of Juneau

Daniel J. Sexton
(Name)
Planner, Community Development Dept.
(Title and Department)

VERIFICATION GUARANTEE FUNDS

The property owner, applicant or developer, Colaska Inc dba Secon, has deposited the amount of $30,000.00, to guarantee the described restoration and/or improvements by:

1. Payment of a cash bond in the amount of $ , to the City and Borough of Juneau, Community Development Department, on __/__/____, by cash/check no.______, and a copy of the receipt no.______ is attached.

2. Posting of a corporate surety bond in the amount of $30,000.00, a copy of which is attached, and which has been approved as to form by the City and Borough Attorney.

3. By depositing the amount of $ , in an account established in the name of the City and Borough of Juneau, I.T.F. ____________________________ located at: ____________________________, account no.: ____________________________. A copy of the escrow agreement is attached which has been approved as to form by the City and Borough Attorney.

Dated this 21 day of January, 2009 in Juneau, Alaska.

(CBJ Department)
Daniel J. Sexton
(Name)
City Planner
(Title)

Approved as to form:

Assistant City-Borough Attorney
LICENSE & PERMIT BOND

Bond Number: 014049130

KNOW ALL MEN BY THESE PRESENTS, that we, Colaska Inc., dba Secon, as principal (the "Principal"), and Liberty Mutual Insurance Company, a Massachusetts stock insurance company, as surety (the "Surety"), are held and firmly bound unto The City and Borough of Juneau, 155 So. Seward Street Juneau, AK 99801, as obligee (the "Obligee"), in the penal sum of Thirty Thousand and 00/100th Dollars ($30,000.00), for the payment of which sum well and truly to be made, the Principal and the Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has applied for a license or permit for Reclamation Lemon Creek Mining - Parcel 5 -612-0-131-004-1 Juneau, AK, for the term beginning the 8th day of December 2008, and ending the 26th day of June 2012, and this Bond is intended to cover the term of said License or Permit.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the license or permit is issued to the Principal, and if Principal shall indemnify and save harmless the Obligee from and against all loss, to which the Obligee may be subject by reason of the Principal's breach of any ordinance, rule, or regulation, relating to the above described license or permit, then this obligation shall be null and void; otherwise to remain in full force and effect.

PROVIDED AND SUBJECT TO THE CONDITIONS PRECEDENT:

1. The liability of the Surety hereunder shall in no event exceed the penal sum of this bond as stated above, regardless of the number of years the bond shall continue in force.

2. This bond shall continue in force until (surety shall elect either option a or b)

☐ a. the 26th day of June 2012, or until the expiration date of any Continuation Certificate executed by the Surety.

☐ b. the Surety notifies the Obligee in writing of its cancellation of the bond. The Surety shall be relieved of any further liability under this bond thirty (30) days after receipt of said notice by the Obligee, except for defaults occurring prior thereto.

3. Any claim under this bond must be presented in writing to the Surety at the attention of The Surety Law Department at the following address: Interchange Corporate Center, 450 Plymouth Road, Suite 400, Plymouth Meeting, PA 19462-1644. Should the address of the Surety change, then notice shall be delivered by the Obligee to the Surety so directed in writing by the Surety.

DATED as of this 14th day of January 2009.

WITNESS / ATTEST

Colaska Inc., dba Secon
(Principal)

By: Vice Pres
Title: (Seal)

LIBERTY MUTUAL INSURANCE COMPANY
(Surety)

By: Attorney-in-Fact
(Seal)

Stacy Rivera

Rev. 03/04
THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, do hereby name, constitute and appoint

JEANETTE PERRINI, STACY RIVERA, ALL OF THE CITY OF FARMINGTON, STATE OF CONNECTICUT

each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding

FIFTY MILLION AND 00/100 DOLLARS ($50,000,000.00) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:


Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 31st day of July, 2008.

LIBERTY MUTUAL INSURANCE COMPANY

By Garnet W. Elliott, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF MONTGOMERY

On this 31st day of July, 2008, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company, that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

CERTIFICATE

I, Nieves Pastella, Notary Public

COMMONWEALTH OF PENNSYLVANIA

Not valid for mortgage note, loan, letter of credit, bank deposit, currency, rate of interest or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-800-832-4210 between 9:00 am and 5:00 pm PST on any business day.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 14th day of January, 2009.

By David M. Carey, Assistant Secretary
## ASSETS

<table>
<thead>
<tr>
<th>1. Bonds (Schedule 2)</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Current Year</td>
<td>Nonadmitted</td>
<td>Net Admitted</td>
</tr>
<tr>
<td></td>
<td>Assets</td>
<td>Assets (Cols. 1 - 2)</td>
<td>Assets</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Stocks (Schedule 1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Preferred stocks</td>
<td>322,466,639</td>
<td>322,466,639</td>
<td>324,292,816</td>
</tr>
<tr>
<td>3. Common stocks</td>
<td>7,068,530,064</td>
<td>7,068,530,064</td>
<td>7,068,530,064</td>
</tr>
<tr>
<td>4. Mortgages on real estate (Schedule 3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Permanent</td>
<td>226,905,101</td>
<td>226,905,101</td>
<td>249,603,480</td>
</tr>
<tr>
<td>6. Other than first lien</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### DETAIL OF WRITE-OFFS

<table>
<thead>
<tr>
<th>0091.</th>
<th>0092.</th>
<th>0093.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SUMMARY OF WRITE-OFFS (Lines 2301 through 2309 plus 2309.1 above)

<table>
<thead>
<tr>
<th>2301.</th>
<th>Other assets</th>
<th>312,269,697</th>
<th>73,166,668</th>
<th>141,163,807</th>
<th>184,433,828</th>
</tr>
</thead>
<tbody>
<tr>
<td>2302.</td>
<td>Cash surrender value life insurance</td>
<td>204,075,593</td>
<td>204,075,593</td>
<td>183,578,431</td>
<td></td>
</tr>
<tr>
<td>2303.</td>
<td>Equities and derivatives in pooled and collective accounts</td>
<td>22,385,200</td>
<td>22,385,200</td>
<td>71,997,661</td>
<td></td>
</tr>
<tr>
<td>2304.</td>
<td>Summary of remaining write-offs for Line 23 from overflow page</td>
<td>163,844,839</td>
<td>178,240,919</td>
<td>164,081,643</td>
<td></td>
</tr>
<tr>
<td>2309.1</td>
<td>Totals (Lines 2201 through 2309 plus 2309.1 above)</td>
<td>553,265,662</td>
<td>556,862,242</td>
<td>511,053,771</td>
<td></td>
</tr>
</tbody>
</table>

Page 406
Okay...So what documentation do they provide to us to prove they are operating within guidelines, etc.?

RONSCHRAMM
Code Compliance Officer II
CBJ Community Development Department
155 South Seward Street
Juneau, AK 99801
Phone: (907) 586-0467
Fax: (907) 586-3365
E-mail: Ronald_Schramm@ci.juneau.ak.us

SECON must operate according to their vibration plan, which states a threshold operation level.
CBJ staff does not monitor this vibration level. She might be able to have the vibration monitor be stationed closer to here place.

Eric Feldt, Planner II, C.F.M.
Community Development Dept.
155 South Seward Street
City & Borough of Juneau, Alaska
Ph: (907) 586-0764
Fax: (907) 586-3365

Please consider the environment before printing this email.

The Truth will set you free.

Cindy called again and left a voicemail. She is the complaintant. She stated there was a “ramping up” of vibrations in the floor of her condominium. Wanted more information about conditions (probably about the seismic monitors that are in place as applicable.)

Someone have that information on hand and can get it to her (maybe in an email as well?) The number picked up on my phone was 957-1993.
RON SCHRAMM
Code Compliance Officer II
CBJ Community Development Department
155 South Seward Street
Juneau, AK 99801
Phone: (907) 586-0467
Fax: (907) 586-3365
E-mail: Ronald_Schramm@ci.juneau.ak.us
Thank you.

From: Ronald Schramm  
Sent: Thursday, February 28, 2013 2:12 PM  
To: Greg Chaney  
Subject: Secon gravel extraction information.

Greg,

When I initially took the photographs on 20 February 2013, I observed backhoes (as noted in the photographs) digging gravel out of the seep to the south of Lemon Creek, dump trucks (also as noted) being filled with the gravel, and one excavator doing some work on light tree clearing.

It did not appear that neither the backhoes nor the dump trucks were in Lemon Creek, but rather were in the sandbars to the south of the creek path.

RON SCHRAMM  
Code Compliance Officer II  
CBJ Community Development Department  
155 South Seward Street  
Juneau, AK 99801  
Phone: (907) 586-0467  
Fax: (907) 586-3365  
E-mail: Ronald_Schramm@ci.juneau.ak.us
From: KIDD, Bryce (JUNSC) [BKidd@COLASKA.com]
Sent: Thursday, February 28, 2013 2:35 PM
To: Neil_Stichert@fws.gov; greg.albrecht@alaska.gov; Ron King; Ed Foster; scott.gray@alaska.gov; Teri Camery; brenda.krauss@alaska.gov; Eric Feldt; dec-wqreporting@alaska.gov
Cc: SHORT, Michael (JUNSC); CHEESEMAN, Billy (JUNSC); DUDLEY, Tim (JUNSC); DUDLEY, Craig (JUNSC); schmidlaw@gci.net; SVINICKI, Buckley (JUNSC)
Subject: RE: Lemon Creek Gravel Excavation 2013

Hello All,

This email is to inform that SECON will be finished removing gravel from Lemon Creek tomorrow, after which will begin a final cleanup of the haul route. The bridge into the creek will be removed on Monday. Please contact me with any questions or concerns.

Thanks,
Bryce
From: KIDD, Bryce (JUNSC) [mailto:8Kidd@COLASKA.com]
Sent: Thursday, March 07, 2013 11:15 AM
To: Eric Feldt; Ron King
Subject: Lemon Creek 2013 final report

Eric and Ron,

Please see attached final report and the letter from Tom Weed. Also attached are vibration reports for our last day of mining.

Thanks,
Bryce
March 1st, 2013

Ron King
The City and Borough of Juneau Engineering Division
155 South Seward Street
Juneau, Alaska
99801

Mr. King:

Gravel extraction from Lemon Creek this mining season was completed on March 1st.

An estimated 10,000 CY of material was removed from the project from three bars approximately located between stations 6+00 and 18+00 (see map below). The proposed and amended mining plans were complied with during all phases of extraction, and no bank destabilizations other than those that were previously documented before extraction activities began currently exist.

Setbacks are adequately protecting adjacent banks and no measures are necessary to further protect those banks as a result of any work that we have performed.
March 4, 2013

Re: Inspection of Lemon Creek Gravel Extraction 2013

To Whom it May Concern:

On March 4, 2013, Buck Svinicki of SECON and I inspected the Lemon Creek Extraction Site. SECON has finished mining the sand/gravel and removed the bridge to the island.

Lemon Creek is in a low water stage, is clear and slow moving.

None of the banks on either side of the stream were disturbed except where the bridge was located. I would recommend that SECON seed the bridge location area above the Rip Rap.

In addition, SECON did not disturb any of the Rip Rap in front of the Condos on the northwest side of the stream or at any other location.

Sincerely,

[Signature]

Thomas F. Weed, P.E.
March 01, 2013

Mike Short
Secon
1836 Anka Street
Juneau, AK 99801

Lemon Creek Gravel Extraction Vibration Monitoring Report for March 1, 2013

Please find attached the vibration monitoring report for Friday, March 1, 2013. Two seismographs were placed on the north bank of Lemon Creek near Riveredge Condo Building A during gravel extraction activities. The seismographs were installed side-by-side between the building and working equipment.

Vibrations did not exceed the minimum threshold of 0.75 in/s. The highest vibration amplitude recorded while equipment was operating in the creek was 0.055 in/s recorded at 07:10am. A vibration level of 0.485 in/s was recorded at 06:20am before equipment began working and was recorded during installation of the second seismograph in close proximity. The attached histogram report for seismograph BE11461 shows the peak particle velocity (PPV) recorded over 5 minute intervals from 06:15 through 17:17. The second seismograph (S/N 5581) monitored continuously and only recorded vibration events exceeding 0.02 in/s at 1,024 samples per second (sp/s) for 2 seconds.

Please note the sensor check result of ‘Check’ for the transverse channel and ‘Pass’ for the vertical and longitudinal channels. A result of ‘Check’ indicates the geophone was not level in the transverse direction. While data recorded on the vertical and longitudinal channels is still reliable, data recorded on the transverse channel may not be accurate. An additional analysis was performed by removing the transverse channel and selecting the maximum PPV from the vertical and longitudinal channels. A plot showing PPVs recorded throughout the day for both seismographs (BE11461 transverse channel removed) is attached for comparison. The highest vibration amplitude (0.055 in/s) was recorded on the longitudinal channel and unaffected by the removal of the transverse channel.

Please contact me if you have any questions or comments regarding this report.
Sincerely,

[Signature]

Kristen Kolden
owner
Alaska Seismic & Environmental, LLC

Attachments:
Daily Vibration Monitoring Summary Report
Seismograph Report
Comparison plot
**DAILY VIBRATION MONITORING SUMMARY REPORT**

**Project:** Lemon Creek Gravel Extraction  
**Submitted to:** Mike Short, SECON  
**Description of work:** Daily vibration monitoring

<table>
<thead>
<tr>
<th>Date</th>
<th>March 1, 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day of Week</td>
<td>Friday</td>
</tr>
<tr>
<td>Monitor Start Time</td>
<td>6:15</td>
</tr>
<tr>
<td>Monitor Stop Time</td>
<td>17:17</td>
</tr>
</tbody>
</table>

**Weather**

- **Temperature**: 34-40°F  
- **Seismograph Operator**: Kristen Kolden

### SEISMOGRAPH INFORMATION

<table>
<thead>
<tr>
<th>Location</th>
<th>Distance to operations (ft)</th>
<th>Distance to nearest building (ft)</th>
<th>Seismograph S/N</th>
<th>Calibration Date</th>
<th>Geophone S/N</th>
<th>Calibration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>58°21'36.90&quot;N 134°29'19.20&quot;W</td>
<td>80.0 - 240.0</td>
<td>18.0</td>
<td>BE11461</td>
<td>6/21/2012</td>
<td>BG10576</td>
<td>6/21/2012</td>
</tr>
<tr>
<td>58°21'36.90&quot;N 134°29'19.20&quot;W</td>
<td>80.0 - 240.0</td>
<td>18.0</td>
<td>5581</td>
<td>2/15/2013</td>
<td>5581</td>
<td>2/15/2013</td>
</tr>
</tbody>
</table>

### SEISMOGRAPH SETTINGS

<table>
<thead>
<tr>
<th>Mode</th>
<th>Maximum Range (in/s)</th>
<th>Waveform Trigger Level (in/s)</th>
<th>Record Time (s)</th>
<th>Sample Rate (sps)</th>
<th>Histogram Length</th>
<th>Seismograph S/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Histogram Combo</td>
<td>10.0</td>
<td>0.02</td>
<td>2.0</td>
<td>1024</td>
<td>5 min</td>
<td>BE11461</td>
</tr>
<tr>
<td>Waveform</td>
<td>2.5</td>
<td>0.02</td>
<td>2.0</td>
<td>1024</td>
<td>NA</td>
<td>5581</td>
</tr>
</tbody>
</table>

### VIBRATION MONITORING RESULTS*

<table>
<thead>
<tr>
<th>S/N</th>
<th>Max PPV (in/s)**</th>
<th>Frequency (Hz)</th>
<th>Time of Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE11461</td>
<td>0.055</td>
<td>16.0</td>
<td>7:10</td>
</tr>
<tr>
<td>5581</td>
<td>0.035</td>
<td>14.2, 14.2, 10.4</td>
<td>07:31, 07:46, 08:43</td>
</tr>
</tbody>
</table>

*Histogram report for BE11461. PPV time history for both seismographs shown below.  
**Max PPV values represent highest peak recorded between 07:00 and 17:00.
Histogram Start Time: 06:15:12 March 1, 2013
Histogram Finish Time: 17:17:39 March 1, 2013
Number of Intervals: 132 at 5 minutes
Range: Geo: 10.00 in/s
Sample Rate: 1024 sps

Notes
Location: Lemon Creek, Juneau
Client: SECON
User Name: Alaska Seismic & Environmental, LLC
General:

Extended Notes

<table>
<thead>
<tr>
<th>PPV</th>
<th>Tran</th>
<th>Vert</th>
<th>Long</th>
<th>in/s</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.465</td>
<td>0.305</td>
<td>0.485</td>
<td></td>
</tr>
<tr>
<td>ZC Freq</td>
<td>27 30 57</td>
<td>Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Mar 1/13 Mar 1/13 Mar 1/13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>06:20:12 06:20:12 06:20:12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensor Check</td>
<td>Passed Passed</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Peak Vector Sum: 0.605 in/s on March 1, 2013 at 06:20:12

Serial Number: BE11461 V 10.31-8.17 MiniMate Plus
Battery Level: 6.0 Volts
Unit Calibration: June 21, 2012 by Instantel
File Name: M461EP4M.PCO

USBM RI8507 And OSMRE

Frequency (Hz)
Tran: + Vert: x Long: ø
Comparison plot shows peak particle velocities (PPVs) recorded by two seismographs installed at the same location on March 1, 2014. Gravel mining operations began at 07:00 and finished at 17:00.