



ALASKA DEPARTMENT OF NATURAL RESOURCES

Division of Mining, Land, and Water

Water Resources Section

550 West 7th Avenue, Suite 1020, Anchorage, AK 99501-3562

**AMENDED TEMPORARY WATER USE AUTHORIZATION
TWUP A2013-125**

This Amended Temporary Water Use Authorization TWUP A2013-125 is issued to amend Temporary Water Use Authorization TWUP A2013-125 issued June 28, 2013 to:

1. Amend the wording of conditions 23, 24 and 25 and the second paragraph under the **AQUIFER PUMP TEST PROCEDURE RECOMMENDATIONS** section.

Pursuant to AS 46.15, as amended and the rules and regulations promulgated thereunder, permission is hereby granted to Pebble Limited Partnership, 3201 C Street, Suite 604, Anchorage, Alaska 99503, and their contractors, to **withdraw up to a combined total of 216,000 gallons of water per day (subject to a combined total annual limit of 32,475,000 gallons of water) for the group of case files TWUP A2009-21, TWUP A2010-33 through TWUP A2010-41, TWUP A2011-107, TWUP A2012-17 through TWUP A2012-27, TWUP A2012-37 through TWUP A2012-44, TWUP A2013-119 and TWUP A2013-125 for each authorized year.** Water will be used for aquifer pumping tests and/or in support of exploration drilling operations associated with the Pebble Exploration Project.

SOURCES OF WATER: (see attached map)

Groundwater well GH12-315S (depth 159 feet) located within SE1/4SW1/4 Section 21, Township 3 South, Range 35 West, Seward Meridian.

Groundwater well GH12-327S (depth 239 feet) located within NE1/4NW1/4 Section 26, Township 3 South, Range 35 West, Seward Meridian.

Groundwater well GH12-332S (depth 104 feet) located within NE1/4NW1/4 Section 27, Township 3 South, Range 35 West, Seward Meridian.

Groundwater well GH12-334S (depth 160 feet) located within NE1/4SW1/4 Section 22, Township 3 South, Range 35 West, Seward Meridian.

STRUCTURES TO BE CONSTRUCTED AND USED:

Pump(s) with 1.5-inch intake and maximum of 25-gpm output per pump for drill water use; electric submersible pump(s) with maximum of 30-gpm output per pump for aquifer pumping test use; hose and/or pipe; and other necessary water distribution and dissipation equipment.

Changes in the natural state of water are to be made as stated herein and for the purposes indicated.

The permittee shall comply with the following conditions:

CONDITIONS:

1. Follow acceptable engineering standards in exercising the privileges granted herein.
2. Comply with all applicable laws, and any rules and/or regulations issued thereunder.
3. Except for claims or losses arising from negligence of the State, defend and indemnify the State, the State's agents, and the State's employees against and hold each of them harmless from any and all claims, demands, suits, loss, liability and expense, including attorney fees, for injury to or death of persons and damages to or loss of property arising out of or connected with the exercise of the privileges covered by this authorization.
4. Notify the Water Resources Section upon change of address.
5. **Permittee is responsible for obtaining, maintaining and complying with other permits/approvals (state, federal, or local) that may be required prior to beginning water pumping pursuant to this authorization.**
6. This authorization does not authorize the permittee to enter upon any lands until proper rights-of-way, easements, or permission documents, from the appropriate landowner, have been obtained.
7. Failure to respond to a request for additional information during the term of the authorization may result in the termination of this authorization.
8. Permittee shall allow an authorized representative of the Water Resources Section to inspect, at reasonable times, any facilities, equipment, practices, or operators regulated or required under this authorization.
9. Permittee is responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved project, and shall ensure that workers are familiar with the requirements of this authorization. For any activity that significantly deviates from the approved project during its siting, construction, or operation, the permittee is required to contact the Water Resources Section and obtain approval before beginning the activity.
10. The Water Resources Section may modify this authorization to include different limitations, expand monitoring requirements, evaluate impacts, or require restoration at the site.
11. Any false statements or representations, in any application, record, report, plan, or other document filed or required to be maintained under this authorization, may result in the termination of this authorization.
12. Pursuant to 11 AAC 93.220 (f), this authorization may be suspended by the Department of Natural Resources to protect the water rights of other persons or the public interest.
13. Any water intake structure in fish bearing waters, including a screened enclosure, well-point, sump, or infiltration gallery, must be designed, operated and maintained to prevent fish entrapment, entrainment, or injury at the maximum diversion rate, as specified in any applicable Fish Habitat Permit issued by the Alaska Department of Fish and Game, Division of Habitat.

14. Adequate flow and water levels in surface waterbodies, as determined by the Alaska Department of Fish and Game-Division of Habitat, must remain to support indigenous aquatic life and provide for the efficient passage and movement of all fish species.
15. Issuance of this authorization does not give the permittee the right to block or dam a water course.
16. Water discharge (including runoff) shall not be discharged at a rate or location resulting in sedimentation, erosion, or other disruptions to the bed or banks of water bodies, or causing water quality degradation. Discharged water shall be directed away from any water bodies and allowed to percolate through natural vegetation back into the ground.
17. The suction hose at the water extraction site must be clean and free from contamination at all times to prevent introduction of contamination to the water body, and should be in water of sufficient depth so that sediments are not disturbed during the water extraction process.
18. Surface waterbodies shall not be altered to facilitate water withdrawal or disturbed in any way. If banks, shores, or beds are inadvertently disturbed, excavated, compacted, or filled by activities attributable to this project, they shall be immediately stabilized to prevent erosion and resultant sedimentation of water body which could occur both during and after operations. Any disturbed areas shall be recontoured and revegetated.
19. Pumping operations shall be conducted in such a way as to prevent any petroleum products or other hazardous substances from contaminating surface or ground water. Pumps shall not be fueled or serviced within 100 feet of a pond, lake, stream, or river unless the pumps are situated within a catch basin designed to contain any spills. Vehicles will not be fueled or serviced within 100 feet of a pond, lake, stream or river. In case of accidental spills, absorbent pads shall be readily available at the water collection point. All spills must be reported to the Alaska Department of Environmental Conservation and the Alaska Department of Natural Resources.
20. When conducting activities under this authorization, permittee shall adhere to the terms of the current State-approved Pebble Project Water Withdrawal Plan (Attached hereto) and any future amendments thereto, except as otherwise required by other conditions on this authorization.
21. Only one authorized pump may be operated at a time in the same authorized groundwater well.
22. Drill holes shall not be drilled within 100 feet of a water body.
23. Establish monitoring wells to evaluate drawdown effects in the aquifer(s) and/or vertical hydraulic connection between aquifers. Monitor water levels as recommended below.
24. Continuous and accurate measurements of discharge rates shall be maintained and any changes of rate noted in the records. The water levels in the monitoring wells shall be continuously and accurately measured and recorded to provide an accurate record of water drawdown, pumping rate, recovery and time. Test pumping shall be continuous and without interruption until data is obtained to determine aquifer hydraulic properties.

25. Upon completion of the test, raw data including: instrument calibration and/or manual verification checks, work plan (if available), baseline data, pumping data, recovery data, monitoring well identifications and coordinates, well lithologic logs and geophysical logs (if available) shall be submitted to the Alaska Department of Natural Resources, Water Resources Section within 45 days. Upon completion of the test, a final written report that includes the raw and processed data, including the analysis(es) shall be submitted to the Alaska Department of Natural Resources, Water Resources Section within 6 months.
26. Permittee shall notify the Division of any major well maintenance work performed and submit a report to this office within 45 days that includes testing data, maintenance results, dates, and name of contractor who performed the work.
27. Measure static water level prior to restarting well after completion of any well maintenance procedures. Permittee shall submit shut down times and water level readings to this office within 45 days.
28. Permanent decommissioning of well must be in compliance with requirements of 18 AAC 80.015(e). Abandonment report shall be submitted to this office and DEC within 45 days.
29. In accordance with 11 AAC 93.140 (a), a water well log shall be filed with this office within 45 days of completion of the water well.
30. This authorization is subject to an annual administrative service fee.

AQUIFER PUMP TEST PROCEDURE RECOMMENDATIONS

The DNR, Water Resources Section, Alaska Hydrologic Survey recommends that the “ASTM - D4050 – 96 Standard test method for (field procedure) for withdrawal and injection well tests for determining hydraulic properties of aquifer systems” be used as a general guideline. The specific procedures appropriate to the site however, should be at the judgment of the onsite hydrologist conducting the test.

In general, it is preferred that baseline data be collected 24 hours prior to the start of the test. If applicable, we prefer three observation wells be monitored prior to, and during testing/recovery. Monitoring wells should be instrumented to collect high frequency data and should be manually taped down hourly for verification purposes, or in the event of equipment failure. The onsite hydrologist should ensure that all flow and stage meters are calibrated and that both the pumping phase and the recovery phase are monitored. Pumped water should be discharged at a sufficient distance downgradient, or in such a manner, that it does not influence either the pumping test or the recovery.

Total duration of testing and monitoring is at the discretion of the field hydrologist. In general, it is preferred to have twenty four hours duration for the pumping test, and longer may be required to achieve stabilization.

This Amended Temporary Water Use Authorization is issued pursuant to 11 AAC 93.220. No water right or priority is established by a temporary water use authorization issued pursuant to 11 AAC 93.220. Water so used is subject to appropriation by others.

Pursuant to 11 AAC 93.210 (b), authorized temporary water use is subject to amendment, modification, or revocation by the Department of Natural Resources if the Department of Natural Resources determines that amendment, modification, or revocation is necessary to supply water to lawful appropriators of record or to protect the public interest.

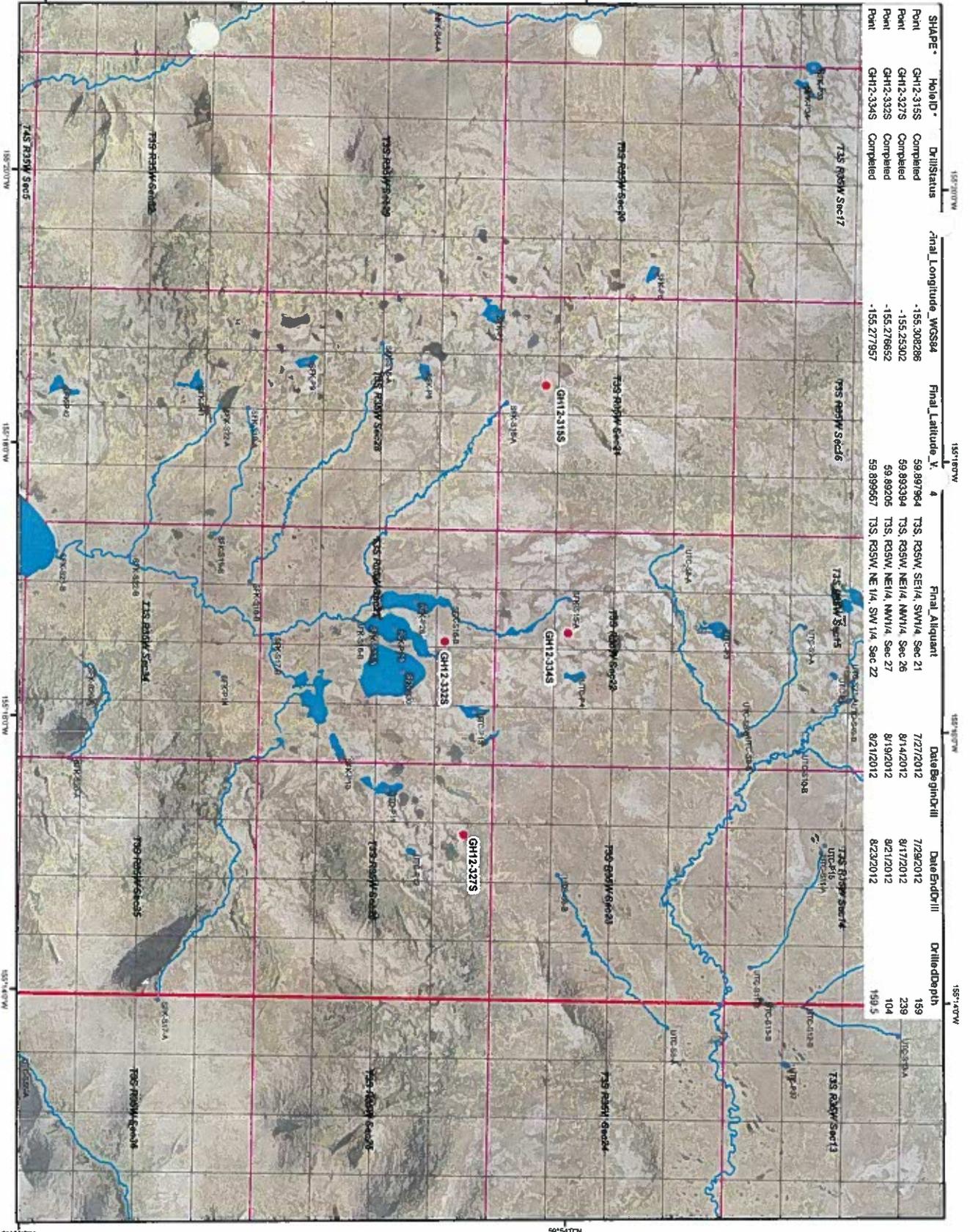
This amended authorization shall expire on June 20, 2018.

This amended authorization supersedes the authorization issued June 28, 2013.

Date issued: 8-16-13

Approved: [Signature]

Title: Water Resource Section Chief
ADNR/DMLW



SHAPE *	WellID *	DrillStatus	Final Longitude WGS84	Final Latitude V. 4	Final Aliquant	DateBeginDrill	DateEndDrill	DrilledDepth
Point	GH12-3155	Completed	-155.308286	59.897964	T35, R35W, SE1/4, SW1/4, Sec 21	7/27/2012	7/29/2012	159
Point	GH12-3275	Completed	-155.253202	59.893394	T35, R35W, NE1/4, NW1/4, Sec 26	8/14/2012	8/17/2012	239
Point	GH12-3325	Completed	-155.276852	59.89205	T35, R35W, NE1/4, NW1/4, Sec 27	8/19/2012	8/21/2012	104
Point	GH12-3345	Completed	-155.277957	59.899657	T35, R35W, NE 1/4, SW 1/4, Sec 22	8/21/2012	8/23/2012	159.5

2013 Proposed TWUP
 Groundwater Wells
 Group A2013-B:
 GH12-3155
 GH12-3275
 GH12-3325
 GH12-3345

Legend

- Proposed TWUP Groundwater Wells
- Permitted TWUP Locations
- Approved TWUP Reach
- Approved TWUP Pond
- DNR MLUP Work Blocks
- Township Range, Section Grid
- Oil-OU sections

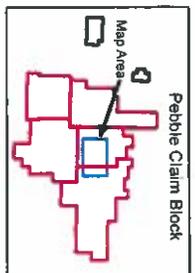


Figure 2

Author: JN
 Created: May 13, 2013
 Filename: PERMIT_20130513_ProposedDNR_TWUP_A2013-B.mxd
 Projection: Alaska State Plane
 Zone 5005, US Ft., NAD83

Amended Temporary Water Use Authorization
 TWUP A2013-125

**Pebble Project
Water Withdrawal Plan
Revision 1**

July 13, 2010

Background

The State of Alaska has the responsibility to ensure its lands and waters are used in a manner to provide the maximum benefit to Alaskans while protecting Alaska's lands and waters from abusive uses. The Department of Natural Resources (ADNR) has the responsibility under AS 46.15 to ensure water use, whether through providing water rights or Temporary Water Use Permits (TWUPs), is consistent with the common good of the people and other natural resources. For the Pebble Limited Partnership's (PLP) drilling program, which requires the use of water, PLP must apply for and receive permission from the ADNR Water Resources Section for TWUPs that identify specific sources of water that may be used, the amount of water that may be used each day, and the total amount of water that may be used each year.

In addition to receiving the necessary TWUPs, under AS 16.05 PLP must also receive Fish Habitat Permits from the Alaska Department of Fish and Game (ADFG) Habitat Division when fish may be present. These Fish Habitat Permits do not authorize water withdrawals. Rather, they stipulate conditions under which water may be withdrawn from a permitted water source (as identified in a TWUP) that may support fish populations. These conditions include screened water intakes of a specific mesh size to prevent removal of fish from the waterbody, and specific water velocities to prevent entrainment of fish against the water intake structure.

Purpose

The purpose of this plan is to ensure all water sources used in PLP's field exploration program that require an authorization have been permitted by the ADNR Water Resources Section and the ADFG Habitat Division.

The plan consists of four parts – procedures for:

- I. Obtaining Temporary Water Use Permits and Fish Habitat Permits
- II. Taking Water
- III. Reporting
- IV. Coordination and Training of Field Staff for Adherence to TWUP and Fish Habitat Permit Stipulations.

In practice, this plan will be modified on a regular basis to address changing conditions and to improve efficiency as experience dictates.

I. Obtaining Temporary Water Use Permits and Fish Habitat Permits

Under 11 AAC 93.220 PLP will submit to ADNR's Water Resources Section one or more completed application(s) for temporary use of water listing the previously drilled artesian holes and lakes, ponds, or stream segments from which it plans to take water.

And, under AS 16.05, PLP will submit to ADF&G's Habitat Division one or more completed application(s) for Fish Habitat Permits for protection of fish resources that may be present in the waters associated with the TWUPs applied for above.

In addition to the standard application form(s), PLP also will submit:

1. The following information for each prospective water source in tabular format similar to that shown below.

Example Table. Requested Water Sources.

Water Source		Township Range Section ²	Drill Hole, Pond or Lake Coordinates ³		Upstream Coordinates		Downstream Coordinates	
Type	Number		Latitude	Longitude	Latitude	Longitude	Latitude	Longitude
Drill hole	SFK-D6352 ¹	T38N,R34W, SE1/4 NW1/4 Sec.23	59.917 N	155.255 W	----	----	----	----
Lake	NFK-L6	T38N,R35W, NW1/4 NE1/4 Sec.34	59.899 N	155.267 W	----	----	----	----
Pond	SFK-P12	T38N,R35W, NE1/4 SE1/4 Sec.17	59.905 N	155.242 W	----	----	----	----
Stream	UTC-S10	T38N,R65W, NE1/4 NW1/4 Sec.6	----	----	59.920 N	155.255 W	59.879 N	155.227 W

¹ P – Pond D - Drill hole L – Lake S - Stream

² To ¼ ¼ section

³ Decimal degrees using WGS 1984

2. An orthophoto map figure, with both township/range/section and latitude/longitude grids, showing the location of each already drilled artesian hole and lake, pond, or stream segment for which a TWUP is requested.

II. Taking Water

This second part of the plan is based on the water sources themselves having been approved as described above in Part I, and the appropriate TWUPs and Fish Habitat Permits having been issued.

Pre-Water Take Actions

1. Once planned drill hole locations are identified, the Site Data Manager or designee will determine on a GIS base whether a permitted water source is reasonably proximate and note the tentative GIS latitude/longitude map coordinates of that location.

2. The Site Field Operations Coordinator & Surveyor will check that the GIS map coordinates for a planned drill hole, and the planned water take location, are manageable and achievable in the field by going to each planned drill hole and associated water take location.
3. At the preferred water take location, the Site Field Operations Coordinator & Surveyor will:
 - a. Erect a clearly visible rebar/stake/pipe (ID Post), clearly labeled with the water take point number, such that the drill crew will know where the water intake structure is to be placed.
 - b. Record the latitude/longitude coordinates using a hand-held GPS unit.
4. The Site Field Operations Coordinator & Surveyor will report to the Manager of Technical Operations in Iliamna to confirm the drill hole and water take locations meet permit requirements.

Water Take Actions

1. A copy of the relevant TWUP and Fish Habitat Permit for each water take location will be kept in PLP's Iliamna office when conducting the permitted water take activity.
2. Water will be taken only from a source that is marked by rebar/stake/pipe, clearly labeled with the water take point number signifying the location is an approved water take source.
3. No activities will occur in the stream, pond, or lake except for placement, adjustment, inspection and removal of the hose and screened pump intake enclosure.
4. There shall be no wheeled, tracked, excavating or other machinery or equipment (excepting the non-motorized screened intake structure) operated below the ordinary high water line.
5. Waterbodies shall not be altered to facilitate water appropriation or disturbed in any way. If banks, shores, or beds are inadvertently disturbed, excavated, compacted, or filled, they shall be immediately stabilized to prevent erosion and sedimentation of the waterbody which could occur both during and after operations. Any disturbed areas shall be recountoured and revegetated.
6. Adequate flow must remain to support indigenous aquatic life and the water course must not be blocked to the passage of fish.
7. Gas fueled pumps and related equipment will not be fueled or serviced within 100 ft of a water body unless the pumps are situated within a catch basin designed to contain any spills.
8. The suction hose at the water extraction site must be clean and free from contamination at all times, and should be in water of sufficient depth so that stream sediments are not disturbed during the extraction process.

9. Each water take point in a water source containing fish at that location must be surrounded by a screened intake enclosure that meets the screen specifications contained in that source's Fish Habitat Permit.
10. Before and after each use, and prior to deployment:
 - a. The screened pump intake enclosure must be inspected for damage (torn, crushed, separated from intake ends, etc.).
 - b. Any damage to the screened pump intake enclosure must be repaired prior to use.
 - c. The screened pump intake enclosure must always conform, as a minimum, to the original design specifications while in use.
11. Unless the permit specifically states otherwise, water may be withdrawn at a rate of up to 25 gallons per minute (gpm).
12. The water will be used for exploration operations.
13. If any activity would significantly deviate from this Water Withdrawal Plan, the ADNR Water Resources and Mining Sections and ADFG Habitat Division must be notified and written approval received from the Water Section before beginning the activity.
14. Photo documentation of the installed water intake equipment will be made as follows:
 - a. Close up of the installed water intake equipment
 - b. Wider view of water intake equipment relative to the water source and surrounding area.
15. If during the drilling of a drill hole the original water source must be moved, PLP will provide notice, as described in Section III, for a changed, permitted water source before continuing to drill.

Post-Water Take Actions

1. Water intake equipment will be removed from the water source.
2. Photo documentation of the site after removal of the water intake equipment as follows:
 - a. Close up of the location of the removed water intake equipment
 - b. Wider view of water take location relative to the water source and surrounding area.

III. Reporting

With respect to the specific water take locations it proposes to use in support of its exploration drilling program, PLP will provide ADNR and ADFG with written and photographic information concerning the:

- Location of planned water take points
- Location of actual water take points
- Confirmation water take has been completed

At least 30 days before the drilling season commences, PLP will submit by email to the ADNR Water Resources and Mining Sections and ADFG Habitat Division information identifying the planned approximate drill hole locations and the associated permitted water source(s). Subject to the number of drill holes per Work Block contained in the Plan of Operations authorized under a Miscellaneous Land Use Permit from ADNR, if a planned drill hole location for which the pre-season notice was given is to be changed by 1200 feet or more or if a new drill hole location is planned that was not identified in the pre-season 30-day notice, then at least 5 business days before drilling at that location PLP must submit by email to the ADNR Water Resources and Mining Sections and ADFG Habitat Division notice of such change, which notice must include information identifying the approximate drill hole location and the associated permitted water source(s) as described in paragraphs 1 and 2, below.

Notice of any change to a drill hole location for which 30-day notice has been given as provided above, which change is greater than 600 feet and less than 1200 feet, or any change to the identified permitted water source(s) for any drill hole location, must be submitted by email to the ADNR Water Resources and Mining Sections and ADFG Habitat Division at least 1 business day prior to drilling and contain the information as described in paragraphs 1 and 2, below.

Beginning on the first of the month after the pre-season notice above is provided, and continuing on the first of each month thereafter for the duration of the drilling season, PLP will submit to the ADNR Water Resources and Mining Sections and ADFG Habitat Division reports containing the information required in paragraphs 1 and 2, below.

NOTE: The information provided in the example drill hole table and the example water take locations table may be combined into a single table. All tables will be dated with the date of submission.

1. Drill Hole Locations

- a. **Drill Hole Table** -- The information in this table, on a monthly basis, will cumulatively display information about all completed, active and planned drill holes, respectively, during the course of the annual drilling program. Note that planned drill holes have a pre-drill number (EX...) until drilling begins, at which time they take the next chronological drill hole number (09....).

Information in the three rows in the drill hole table below represent, respectively, a:

- Completed drill hole
- Active drill hole
- Planned drill hole

Example Table. Completed, Active and Planned Drill Holes

Drill Hole			Date Drilling		Township Range Section ²	Coordinates ³	
Pre-Drill #	Number	Status ¹	Began	Ended		Latitude	Longitude
EX09-D	09487	C	6/4/09	6/23/09	T38N,R35W, NE1/4 SW1/4 Sec.17	59.879 N	155.227 W
EX09-E	09488	A	6/06/09	N/A ⁴	T38N,R35W, NW1/4 SE1/4 Sec.34	59.899 N	155.267 W
EX09-F ⁵	N/A	P	N/A	N/A	T38N,R34W, SW1/4 NE1/4 Sec.32	59.920 N	155.255 W

¹ C = Completed, A = Active, P = Planned

² To ¼ ¼ section

³ Decimal degrees using WGS 1984

⁴ Not applicable as of reporting date

⁵ Planned locations for drill holes with a pre-drill number are based on GIS mapping only and have not been field located yet.

- b. **Drill Hole Orthophoto Map Figure** -- This map figure, on a monthly basis, will cumulatively display locations of all completed, active and planned drill holes during the course of the annual drilling program.

2. Water Take Points

- a. **Water Take Table** -- The information in this table, on a monthly basis, will cumulatively display information about all completed, active and planned water take points, respectively, during the course of the annual drilling program. Note that planned water take points have a pre-drill number (EX...-W [water]) until drilling begins, at which time they take the next chronological drill hole number (09...-W).

Information in the three rows in the water take location table below represent, respectively, a:

- Completed water take point
 - Active water take point
 - Planned water take point
- b. **Water Take Point Orthophoto Map Figure** -- This map figure, on a monthly basis, will cumulatively display locations of all completed, active and planned water take points, respectively, during the course of the annual drilling program.

- c. **Water Take Point Site Photos** -- These photos will document installation and removal of water intake equipment following:
 - i. **Installation:**
 - 1. Close up of the installed water intake equipment
 - 2. Wider view of water intake equipment relative to the water source and surrounding area
 - ii. **Removal**
 - 1. Close up of the location from which the water intake equipment was removed
 - 2. Wider view of water take location relative to the water source and surrounding area

Example Table. Completed, Active and Planned Water Take Locations

Water Take Point		Date Intake Equipment/Operation				TWUP #	Fish Habitat Permit Number	Water Source Number	Township Range Section ²	Coordinates ³	
Pre-Drill #	Number	Status ¹	Installed	Began	Ended					Removed	Latitude
EX09-D-W	09487-W	C	6/3/09	6/4/09	6/23/09	6/24/09	A2010-123	FH-09-II-0106	SFK-D6352 ⁴	T38N,R35W, NE1/4 SW1/4 Sec.17	59.879 N 155.227 W
EX09-E-W	09488-W	A	6/6/09	6/6/09	N/A ⁵	N/A	A2010-125	FH-09-II-0107	NFK-L6	T38N,R35W, NW1/4 SE1/4 Sec.34	59.899 N 155.267 W
EX09-F-W ⁶	N/A	P	N/A	N/A	N/A	N/A	A2010-125	FH-09-II-0108	UTC-S10	T38N,R34W, SW1/4 NE1/4 Sec.32	59.920 N 155.255 W

¹ C = Completed, A = Active, P = Planned

² To 1/4 section

³ Decimal degrees using WGS 1984

⁴ P – Pond D - Drill hole L – Lake S - Stream

⁵ Not applicable as of reporting date

⁶ Planned locations for water take locations with a pre-drill number are based on GIS mapping only and have not been field located yet.

IV. Coordination and Training of Field Staff for Adherence to TWUP and Fish Habitat Permit Stipulations

Prior to the commencement of drilling operations, the Site Field Operations Coordinator & Surveyor will be informed by the Manager of Technical Operations of all stipulations and guidelines necessary to stay in compliance with the drilling, temporary water use permits, and Fish Habitat Permits required for drilling.

A training program will be developed and supervised by the Site Environmental Compliance Officer. The program will cover all stipulations found in both the TWUPs and Fish Habitat Permits, and procedures and timelines for application and submission of water use information as found in Plan Parts II and III above. The training will be provided at site to all field personnel involved in drilling activities in a formal training atmosphere prior to entering the field.

This training program will be developed as a PowerPoint presentation and will cover regulatory authorities of both ADNR and ADFG as they relate to water use, as well as the environmental rationale for each stipulation developed under these authorities. The training program will also cover the reporting requirements and timelines for activities conducted under these authorities, and identify those individuals responsible for reporting.