



**ANCHOR POINT ENERGY, LLC**

February 18, 2010

Ginny Lichfield  
Alaska Department of Fish & Game  
514 Funny River Road  
Soldotna, Alaska 99669

Re: Natural Gas Pipeline Construction and Operation  
Anchor Point Energy, LLC  
Kenai Peninsula Borough, Alaska

Dear Ms. Lichfield:

Enclosed is an application for Anchor Point Energy, LLC to construct and operate an eight mile long natural gas pipeline located in the Kenai Peninsula Borough near Anchor Point, Alaska. The pipeline is intended to transport natural gas from the North Fork Unit and deliver it to a sales pipeline operated by Enstar Natural Gas Company. The upland areas of the pipeline are intended to be constructed in late summer 2010 and the wetlands portions of the pipeline is intended to be constructed during winter months and be completed in early 2011.

The pipeline construction requires a crossing of the North Fork River and four small tributaries within the Anchor River/North Fork River Basin. The application, a Coastal Project Questionnaire, and other applicable information are attached to this letter.

Should you have any questions, you can call either me at 303-623-1821 or Bob Britch at 907-243-7716.

Sincerely,

Ed Teng  
Vice President-Engineering





FH# \_\_\_\_\_  
(Office Use Only)

GENERAL WATERWAY/WATERBODY APPLICATION  
ALASKA DEPARTMENT OF FISH AND GAME  
Division of Habitat  
Office Locations

A. **APPLICANT**

1. Name: Anchor Point Energy, LLC
2. Address (Mailing): 1421 Blake Street; Denver, CO 80202  
Email Address: edteng@armstrongoilandgas.com  
Telephone: (303) 623-1821 Fax: (303) 623-3019
3. Project Coordinator/Contractor:  
Name: Robert Britch  
Address: 2454 Telequana Drive; Anchorage, Alaska 99517  
Email Address: bbritch@alaska.net  
Telephone: (907) 243-7716 Fax: (907) 248-2454

B. **TYPE AND PURPOSE OF PROJECT:** Construction and operation of an 8 mile buried natural gas pipeline. The pipeline will transport natural gas from the North Fork Unit to Anchor Point where it will enter an Enstar Natural Gas Company sales pipeline. The pipeline will be installed by horizontal directional drilling a distance of approximately 435 feet. The 100-year floodplain in the crossing area is approximately 250 feet. The pipeline will be placed 15 feet beneath the channel bottom as protection against scour. (See Corps of Engineers permit drawings)

C. **LOCATION OF PROJECT SITE**

1. Name of River, Stream, or Lake: North Fork River  
or Anadromous Stream No: \_\_\_\_\_
2. Legal Description: Township 5S Range 15W  
Meridian Seward Section 3 USGS Quad Map Seldovia (D-5 SW)
3. Plans, Specifications, and Aerial Photograph. See specific instructions

D. **TIME FRAME FOR PROJECT:** 6/30/10 TO 3/1/11 (mm/dd/yy)

E. **CONSTRUCTION METHODS:**

1. Will the stream be diverted?  Yes  No

How will the stream be diverted? \_\_\_\_\_

How long? \_\_\_\_\_

2. Will stream channelization occur?  Yes  No

3. Will the banks of the stream be altered or modified?  Yes  No

Describe: \_\_\_\_\_

4. List all tracked or wheeled equipment (type and size) that will be used in the stream (in the water, on ice, or in the floodplain): None

How long will equipment be in the stream? N/A

5. a. Will material be removed from the floodplain, bed, stream, or lake?  Yes  No

Type: \_\_\_\_\_

Amount: \_\_\_\_\_

b. Will material be removed from below the water table?  Yes  No

If so, to what depth? \_\_\_\_\_

Is a pumping operation planned?  Yes  No

6. Will material (including spoils, debris, or overburden) be deposited in the floodplain, stream, or lake?  Yes  No

If so, what type? \_\_\_\_\_

Amount: \_\_\_\_\_

Disposal site location(s): \_\_\_\_\_

7. Will blasting be performed?  Yes  No

Weight of charges: \_\_\_\_\_

Type of substrate: \_\_\_\_\_

8. Will temporary fills in the stream or lake be required during construction (e.g., for construction traffic around construction site)?  Yes  No

9. Will ice bridges be required?  Yes  No

F. **SITE REHABILITATION/RESTORATION PLAN:** On a separate sheet present a site rehabilitation/restoration plan. See specific instructions Final site inspection and cleanup to occur after spring breakup.

G. **WATERBODY CHARACTERISTICS:**

Width of stream: 60 feet at ordinary high water Depth of stream or lake: 4-5 feet  
Type of stream or lake bottom (e.g., sand, gravel, mud): Silty and sandy  
Stream gradient: 0.5 % per topographic map

H. **HYDRAULIC EVALUATION:**

1. Will a structure (e.g., culvert, bridge support, dike) be placed below ordinary high water of the stream?  Yes  No

If yes, attach engineering drawings or a field sketch, as described in Step B.

For culverts, attach stream discharge data for a mean annual flood (Q=2.3), if available.

If applicable, describe potential for channel changes and/or increased bank erosion:

\_\_\_\_\_

2. Will more than 25,000 cubic yards of material be removed?  Yes  No

If yes, attach a written hydraulic evaluation including, at a minimum, the following: potential for channel changes, assessment of increased aufeis (glaciering) potential, assessment of potential for increased bank erosion.

**I HEREBY CERTIFY THAT ALL INFORMATION PROVIDED ON OR IN CONNECTION WITH THIS APPLICATION IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.**



\_\_\_\_\_  
Signature of Applicant

February 18, 2010

\_\_\_\_\_  
Date





FH# \_\_\_\_\_  
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Name: Robert Britch  
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Email Address: bbritch@alaska.net  
Telephone: (907) 243-7716 Fax: (907) 248-2454

**B. TYPE AND PURPOSE OF PROJECT:** Construction and operation of an 8 mile buried natural gas pipeline. The pipeline will transport natural gas from the North Fork Unit to Anchor Point where it will enter an Enstar Natural Gas Company sales pipeline. Buried s crossing will be constructed at four small tributary streams will be crossed during winter months. It is anticipated that stream channels will be frozen to the stream bottom at the time of construction.

**C. LOCATION OF PROJECT SITE**

1. Name of River, Stream, or Lake: Unnamed (some locally named) Tributaries  
or Anadromous Stream No: \_\_\_\_\_
2. Legal Description: Township 4S-5S Range 14W-15W  
Meridian Seward Section Varies USGS Quad Map Seldovia (D-5)
3. Plans, Specifications, and Aerial Photograph. See specific instructions

D. **TIME FRAME FOR PROJECT:** 12/1/10 TO 3/1/11/11 (mm/dd/yy)

E. **CONSTRUCTION METHODS:**

1. Will the stream be diverted?  Yes  No

How will the stream be diverted? \_\_\_\_\_

How long? \_\_\_\_\_

2. Will stream channelization occur?  Yes  No

3. Will the banks of the stream be altered or modified?  Yes  No

Describe: 4 foot deep trench will be constructed across streams to place pipeline

4. List all tracked or wheeled equipment (type and size) that will be used in the stream (in the water, on ice, or in the floodplain): Excavator, dozer, dump truck, loader

How long will equipment be in the stream? Estimate 1 day to construct each crossing

5. a. Will material be removed from the floodplain, bed, stream, or lake?  Yes  No

Type: Native organic, silty and sandy soils  
Typically <225 cubic yards per crossing except est. 3,300 cubic yards at  
Amount: upstream crossing of Branson Creek/Pond.

b. Will material be removed from below the water table?  Yes  No

If so, to what depth? 5-7 feet

Is a pumping operation planned?  Yes  No (only if water present)

6. Will material (including spoils, debris, or overburden) be deposited in the floodplain, stream, or lake?  Yes  No

If so, what type? Materials excavated will be replaced in the trench after the pipe is laid.

Amount: Same amount as excavated

Disposal site location(s): Same location as excavated

7. Will blasting be performed?  Yes  No

Weight of charges: \_\_\_\_\_

Type of substrate: \_\_\_\_\_

8. Will temporary fills in the stream or lake be required during construction (e.g., for construction traffic around construction site)?  Yes  No

9. Will ice bridges be required?  Yes  No

F. **SITE REHABILITATION/RESTORATION PLAN:** On a separate sheet present a site rehabilitation/restoration plan. See specific instructions Final site inspection and cleanup to occur after spring breakup.

G. **WATERBODY CHARACTERISTICS:**

Width of stream: 3-160 feet Depth of stream or lake: 1-3 feet

Type of stream or lake bottom (e.g., sand, gravel, mud): Silty and sandy

Stream gradient: 0.4 to 3.5 % per topographic maps

H. **HYDRAULIC EVALUATION:**

1. Will a structure (e.g., culvert, bridge support, dike) be placed below ordinary high water of the stream?  Yes  No

If yes, attach engineering drawings or a field sketch, as described in Step B.

For culverts, attach stream discharge data for a mean annual flood (Q=2.3), if available.

If applicable, describe potential for channel changes and/or increased bank erosion:

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2. Will more than 25,000 cubic yards of material be removed?  Yes  No

If yes, attach a written hydraulic evaluation including, at a minimum, the following: potential for channel changes, assessment of increased aufeis (glaciering) potential, assessment of potential for increased bank erosion.

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