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RECEIVED
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DEC
Division of Water Quality
Wastewater Discharge Program

April 5, 2010

Mr. Marc H. Bentley
Alaska Department of Environmental Conservation
Industrial Wastewater Permitting
555 Cordova Street
Anchorage, AK 99501

Re: ADEC NOTICE OF DISPOSAL PERMIT RENEWAL REQUEST
TRADING BAY UNIT CLASS I UIC WELLS
TRADING BAY, COOK INLET, ALASKA
PERMIT #2005DB0001-0002
ADEC FILE #2339.48.033

Dear Mr. Bentley:

Union Oil Company of California (Union Oil), a wholly owned indirect subsidiary of Chevron Corporation, hereby submits the enclosed Alaska Department of Environmental Conservation (ADEC) Notice of Disposal permit renewal application. The permit renewal application will allow the eight Trading Bay Unit Class I Underground Injection Control wells to continue to operate under State of Alaska Wastewater General Permit #2005DB0001-0002.

The current ADEC Notice of Disposal authorization was issued to Union Oil on April 22, 2005 and expires on April 21, 2010. A check made out to ADEC in the amount of $275.00 is also enclosed to cover applicable permit renewal application fees.

If you have questions or require additional information, please contact me at (907) 263-7839.

Sincerely,

Sharon T. Sullivan

Sharon T. Sullivan
Health and Environmental Specialist

Enclosures: (1) ADEC Notice of Disposal Permit Renewal Application for Wastewater General Permit #2005DB0001
(2) ADEC Notice of Disposal Permit Application Fee Check #11890 for $275.00

cc: Chris Myers, Chevron
Faye Sullivan, Chevron
Project File

PERMIT NO. 2005DB0001

STATE OF ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Water

NOTICE OF DISPOSAL FOR CLASS I INJECTION WELL

2005DB0001

See this General Permit for details on eligibility, requested application information and permit requirements.

RESPONSIBLE PARTY (owner, operator, or person responsible for overall management of the project):

First Name: Dale Last Name: Haines Phone Number: (907) 263-7951
Company Name: Union Oil Company of California Fax Number: (907) 263-7607
Mailing Address: 3800 Centerpoint Drive
P.O. Box 196247
City: Anchorage State: AK Zip: 99501
Email Address: daleah@unocal.com

ON SITE CONTACT:

Dolly Varden Platform:	First Name: Christy	Last Name: Anderson	Phone Number: 907-776-6840
	First Name: Mike	Last Name: Loomis	Phone Number: 907-776-6840
Grayling Platform:	First Name: Dave	Last Name: Owens	Phone Number: 907-776-6630
	First Name: John	Last Name: Liebenthal	Phone Number: 907-776-6630
King Salmon Platform:	First Name: Dave	Last Name: Myers	Phone Number: 907-776-6691
	First Name: Mark	Last Name: Farnsworth	Phone Number: 907-776-6691
Steelhead Platform:	First Name: Mike	Last Name: Chivers	Phone Number: 907-776-6830
	First Name: Chester	Last Name: Holt	Phone Number: 907-776-6830

FACILITY:

NAICS Code (formerly the Standard Industrial Code (SIC)): 1311
Facility Name: Dolly Varden Platform Phone Number: 907-776-6840
Mailing Address: P.O. Box 8129 Fax Number: 907-776-6845
City: Nikiski State: AK Zip: 99635
Physical Address: North Cook Inlet, Alaska

NAICS Code (formerly the Standard Industrial Code (SIC)): 1311
Facility Name: Grayling Platform Phone Number: 907-776-6630
Mailing Address: P.O. Box 8129 Fax Number: 907-776-6635
City: Nikiski State: AK Zip: 99635
Physical Address: North Cook Inlet, Alaska

NAICS Code (formerly the Standard Industrial Code (SIC)): 1311
Facility Name: King Salmon Platform Phone Number: 907-776-6691
Mailing Address: P.O. Box 8129 Fax Number: 907-776-6695
City: Nikiski State: AK Zip: 99635
Physical Address: North Cook Inlet, Alaska

NAICS Code (formerly the Standard Industrial Code (SIC)): 1311
Facility Name: Steelhead Platform Phone Number: 907-776-6830
Mailing Address: P.O. Box 8129 Fax Number: 907-776-6835
City: Nikiski State: AK Zip: 99635
Physical Address: North Cook Inlet, Alaska

EPA CLASS 1 INJECTION PERMIT NUMBER: AK-1I006-A
DATES OF PERMIT (mm/dd/yy):
Beginning Date From: 04/22/2010 Ending Date To: 10/18/2015

INJECTION FLOW RATES AND VOLUME: The injection stream for a disposal well will vary by platform between approximately 1,875 and 3,750 barrels (59,063-118,125 gallons) per month. The Grayling and Dolly Varden platforms will probably approach the higher range while the King Salmon and Steelhead will inject at volumes closer to the lower level. Disposal operations will be on an intermittent basis, probably occurring every 4-5 days depending upon available tankage. The typical fluid volume disposed of during each batch injection will probably be 400-500 barrels (12,600-15,750 gallons).

Average: 12,000 / 48,000 Gallons Per Day (1 well platform/4 platforms in field total)
Maximum: 15,750 / 63,000 Gallons Per Day (1 well platform/4 platforms in field total)
Estimated Total Injection Volume: 5,670,000 / 29,043,000 Gallons (1 well platform/4 platforms in field total)

LOCATION OF INJECTION POINT(S):

Receiving Area Type (e.g., formation name, depth below ground surface) : Injection will be limited to the existing Class II injection zone intervals mostly in the G-Zone/Lower Tyonek and Hemlock Formations and possibly the West Foreland Formation. The injection zone extends from the base of the Coal 39 geologic marker (8946 ft TVDss) to the base of the West Foreland Formation (10810 ft TVDss) with an overall thickness of approximately 1700 feet.

Name of Receiving Area: See the following list for the center of each of the four platform locations containing the potential Class I wells.

Latitude / Longitude of Injection Point(s) in either *decimal degrees* or in *degrees:minutes:seconds*:

Degrees:Minutes:Seconds:

Dolly Varden Platform:	Latitude: 60 : 48 : 28N	Longitude: 151 : 38 : 58W
Grayling Platform:	Latitude: 60 : 50 : 23N	Longitude: 151 : 36 : 47W
King Salmon Platform:	Latitude: 60 : 51 : 55N	Longitude: 151 : 36: 21W
Steelhead Platform:	Latitude: 60 : 50 : 54N	Longitude: 151 : 36 : 07W

Lat/Long Coordinate Source: ☐ Internet ☒ MAP ☐ GPS/Survey

MAPS OF INJECTION POINT(S):

Submit to ADEC two maps: a map that shows the general location of the facility and a detailed map that shows the facility layout monitoring wells, injection wells, drinking water wells, abandoned wells, water bodies and other pertinent information within the area of interest (0.5 mile radius of the facility). Maps may be drawings, USGS maps, or aerial photographs and must include a scale.

GENERAL DESCRIPTION OF THE PROJECT:

Describe where the wastewater to be injected comes from; the chemical, physical, and biological characteristics of the wastewater; and what if any wastewater treatment will be performed.

The injected wastewater would consist mainly of camp wastewaters, Class II exempt fluids including well treatment and workover fluids, and possibly some limited disposal of drill cuttings and muds. When a platform is finally shut in, wastes from vessel clean outs and other abandonment activities will also be injected in the well. Camp wastewaters include sanitary wastewater that primarily comes from the camp toilets. The raw stream will be treated at the platform's wastewater treatment plant to meet NPDES discharge specifications. When EOR injection ceases, this stream will be sent to the Class I disposal well. See attached "Waste Sources and Characteristics" for additional wastewater details.

OTHER PERTINENT INFORMATION:
Describe unusual circumstances that may aid in permit processing.
On May 12, 2005, the EPA issued a ruling that no underground sources of drinking water exist within the Trading Bay Unit for all formations below the F-16 Sand top geologic marker (~8,479 ft TVDss) to the base of the West Foreland Formation (~10,810 ft TVDss). On 10/19/05 the EPA issued an area-wide disposal order authorizing the operation of 8 Class I industrial waste injection wells within the Trading Bay Unit. These wells were previously authorized as Class II EOR wells.

RENEWAL REQUEST: ☒ Current Authorization Number: 2005DB0001-0002
If this is a renewal, the location of the discharge and additional information do not need to be completed. If any operation, contact or procedures have changed please describe below.
The Responsible Party and Onsite Contact information has changed and the new information is reflected on Page 1 of this form.

WASTEWATER PERMIT APPLICATION SIGNATURE:
The information given on this application is complete and accurate to the best of my knowledge.

Dale Haines
Signature

4-5-2010
Date

Dale A. Haines
Printed Name

Alaska Oil & Gas Operations Manager
Title

If it is not possible to submit this Notice of Disposal electronically, please mail or fax the Notice to the address below.

Alaska Department of Environmental Conservation
Division of Water
555 Cordova Street
Anchorage, Alaska 99501
Telephone (907) 269-7500
Fax (907) 269-7652
Email: wq_permit@dec.state.ak.us