



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

**Department of
Environmental Conservation**

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

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File No: 2100.38.311

March 27, 2018

Mr. Kyle Waldron
Tesoro Companies Inc.
3450 South 344th Way, Suite 201
Auburn, WA 98001-5931

Re: **Decision Document; Tesoro Anchorage Terminal #1, Port of Anchorage Bulk Fuel
Terminal Groundwater Use Determination under 18 AAC 75.350**

Dear Mr. Waldron:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the request for a groundwater use determination under 18 AAC 75.350 prepared on behalf of Tesoro Companies Inc. by Trihydro Corporation and submitted to ADEC in January, 2018 for the Tesoro Anchorage Terminal #1 Bulk Fuel Terminal at the Port of Anchorage. This Decision Document presents ADEC's determination that the shallow aquifer in this area is non-potable based on aquifer characteristics and other evidence that the shallow groundwater is not suitable for use as drinking water. The specific items in support of this decision can be found in the January 8, 2018 *Revised 18 AAC 75.350 Groundwater use Determination Request, Anchorage Terminal 1, Port of Anchorage, Alaska* which is available for review upon request at the offices of the ADEC in Anchorage, Alaska.

Site Name and Location

Tesoro #1 Port of Anchorage
1522 Anchorage Port Road
Anchorage, Alaska

Legal Description

ARRC Lease Contract No. 4392
Lots 10 and 11A of the Port of Anchorage Subdivision according to Plats Number 64-56 and 70-309 respectively on file in the office of the District Recorder, Anchorage Recording District, Alaska, along with the unsubdivided lands adjacent to and easterly of said Lots 10 and 11A. The boundaries of said unsubdivided parcel are the east boundary line of said lots 10 and 11A and the west right-of-way line of the Anchorage Port Road.

ADEC Site Identifiers:

Hazard ID #600
CS (Contaminated Site) File # 2100.38.311

Background

This site is located on property leased to Tesoro Companies Inc. from the Alaska Railroad Corporation (ARRC). Operation of the facility was recently transferred from Tesoro Companies Inc. to Petro Star, Inc. however Tesoro retains responsibility for environmental investigation and cleanup for releases that occurred while they operated the facility. The site has been used for bulk petroleum storage and transfer operations by Tesoro since its initial construction in 1967. Groundwater monitoring conducted at the facility since the 1980's has documented petroleum contamination in the shallow aquifer at several areas of the facility as a result of spills, leaks, and other releases. The shallow aquifer in this area is defined as groundwater contained in soil above the Bootlegger Cove formation, a regionally significant deposit of clay that acts as a confining layer in most areas where it is found.

ADEC Decision

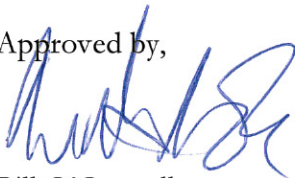
Based on the justification provided in the *Revised 18 AAC 75.350 Groundwater use Determination Request, Anchorage Terminal 1, Port of Anchorage, Alaska* ADEC approves your request that the shallow aquifer at Tesoro Anchorage Terminal #1 Port of Anchorage Bulk Fuel Terminal be declared non-potable based on the following summary information:

1. The shallow groundwater in this area is not currently used for a public or private drinking water system, and is not in the zone of contribution or recharge area for a private or public water system.
2. The shallow groundwater in this area is not a reasonably expected future source of drinking water for this area due to the following which compromise the suitability of this groundwater for use as a drinking water resource: (a) a high concentration of total dissolved solids above USEPA Secondary Drinking Water Standards; (b) the potential for salt water intrusion from Cook Inlet to the shallow aquifer; and (c) petroleum contamination in the shallow aquifer from upgradient source areas. Furthermore, public drinking water is currently available via public utility by the Municipality of Anchorage.

This decision is applicable only to the shallow aquifer at the Tesoro #1 lease property and within the boundary shown in Figure 1, and does not address the suitability of the deep aquifer for use as a drinking water resource.

If you have questions about this decision, please contact ADEC Project Manager Chelsy Passmore at (907) 269-7522 or by email at chelsy.passmore@alaska.gov.

Approved by,



Bill O'Connell
Environmental Program Manager

Electronic cc: Russell Grandel, ARRC
 Ross Noffsinger, Municipality of Anchorage
 Jeff Warner, ADEC Drinking Water Program
 Lisa Lewis, Petro Star

Figure 1- 18 AAC 75.350 Groundwater Use Determination Area

