

Imperium Terminal Services Expansion Project

▶▶ Draft Environmental Impact Statement



August 2015



City of Hoquiam
609 8th Street
Hoquiam, WA 98550



Washington State Department of Ecology
300 Desmond Drive SE
Lacey, WA 98503

August 31, 2015

Greetings,

The City of Hoquiam and the Washington State Department of Ecology—the co-lead agencies—are pleased to present the Draft Environmental Impact Statement (Draft EIS) for the proposed expansion of the existing biodiesel production facility owned by Imperium Terminal Services (the applicant). The Imperium Terminal Services Expansion Project (the proposed action) would expand the existing biodiesel production facility to store and handle bulk liquids at Terminal 1 at the Port of Grays Harbor in Hoquiam, Washington. The bulk liquids are proposed for use on site in the biodiesel production facilities, and/or shipment to refineries on the West Coast and potentially abroad. The proposed bulk liquids include crude oil, ethanol, naphtha, gasoline, vacuum gas oil, jet fuel, no. 2 fuel oil, no. 6 fuel oil, kerosene, renewable jet fuel, renewable diesel, used cooking oil, and animal fat, in addition to currently permitted liquids, including biodiesel, petroleum diesel, vegetable oil, and methanol.

It is anticipated that the Imperium facility in Grays Harbor will be sold to the Renewable Energy Group (REG) either during the final preparation of the Draft EIS or during the public comment period. A press release announcing the sale was released on July 31, 2015 and can be viewed at <http://regfuel.com/>. The facility is expected to be renamed the REG Grays Harbor, LLC and this change will be made in the Final EIS. No changes to the proposed action evaluated in the Draft EIS are anticipated as a result of this sale and REG plans to continue pursuing permitting the proposed action.

The Draft EIS has been prepared in accordance with the Washington State Environmental Policy Act (SEPA) and the City of Hoquiam Municipal Code. The purpose of the Draft EIS is to evaluate the potential environmental impacts of constructing and operating the proposed action.

During the Draft EIS scoping phase, we identified many areas of concern associated with the proposed action that are subsequently addressed in the Draft EIS. The Draft EIS evaluates the impacts from construction, onsite operations, and offsite rail and vessel transport related to the proposed action, as well as the contribution of the proposed action to cumulative environmental impacts. In addition to the proposed action, the no-action alternative was also evaluated.

The following resource areas were evaluated in the Draft EIS.

- Earth
- Air
- Water
- Plants
- Animals
- Energy and Natural Resources
- Noise and Vibration
- Land and Shoreline Use
- Aesthetics, Light, and Glare
- Recreation
- Historic and Cultural Preservation
- Tribal Resources
- Public Services and Utilities
- Hazardous Materials
- Rail Traffic
- Vehicle Traffic and Safety

- Vessel Traffic
- Environmental Health and Safety
- Economics, Social Policy, and Cost-Benefit Analysis per Hoquiam Municipal Code

The Draft EIS identifies possible mitigation measures for significant adverse environmental impacts of the proposed action. In some cases, **implementation** of mitigation measures would reduce but not completely eliminate all significant adverse impacts. These are **highlighted** in the Draft EIS as *Unavoidable and Significant Adverse Impacts* and are found in the following resource areas: Earth, Noise, Tribal Resources, Vehicle Traffic and Safety, and Environmental Health and Safety.

Comments on the Draft EIS can be provided during the expanded 60-day public comment period, which lasts from August 31, 2015, through October 29, 2015. Comments can be submitted via the following **methods**.

By mail:

Westway and Imperium Expansion Projects EISs
 c/o ICF International
 710 Second Street, Suite 550
 Seattle, WA 98104

Online:

Submit comments at <https://public.commentworks.com/cwx/westwayimperiumcommentform>

In person:

At a public meeting (orally or in writing)

- October 1, 2015, 1:00 to 9:00 p.m., at the Satsop Business Park, Flextech Building, 150 Technology Way, Elma, WA 98541
- October 8, 2015, 1:00 to 9:00 p.m., at the D&R Theatre, 205 South I Street, Aberdeen, WA 98520

Comments received on the Draft EIS during the comment period will be compiled, reviewed and considered while developing the Final EIS. The co-lead agencies anticipate that the Final EIS will be published in spring 2016, but this is subject to change. All comments and responses to comments received on the Draft EIS will be included in the Final EIS. The Final EIS will be used by local and state agencies in making permit decisions for the proposed action. Permits for construction and operation of the proposed action may be issued seven days after publication of the Final EIS. Construction of the proposed action could begin in 2016.

Questions about this Draft EIS may be directed to:

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 City Administrator
 City of Hoquiam
 609 8th Street
 Hoquiam, WA 98550
 (360) 538-3983
 bshay@cityofhoquiam.com

Paula Ehlers
 Shorelands and Environmental Assistance
 Washington State Department of Ecology
 P.O. Box 47775
 Olympia, WA 98504-7775
 (360) 407-0271
 paula.ehlers@ecy.wa.gov

The City of Hoquiam and the Washington State Department of Ecology are also serving as co-lead agencies in the development of the Draft EIS for the proposed expansion of the existing bulk liquid storage terminal owned by Westway Terminal Company LLC adjacent to the Imperium project site. Although these proposed actions are unrelated, because the proposals are similar, and because the applications were submitted at the same time, the co-lead agencies have agreed to conduct a concurrent Draft EIS public comment period.

Thank you for your interest in the Imperium Terminal Services Expansion Project environmental review process.

Sincerely,

Brian Shay, City Administrator, City of Hoquiam

Date: _____ Signature: _____

Sally Toteff, Southwest and Olympic Regional Director, Washington State Department of Ecology

Date: _____ Signature: _____

Project Title

Imperium Terminal Services Expansion Project

Description of Proposed Action and Alternatives

Imperium Terminal Services (the applicant) is proposing to expand its existing biodiesel production and transport facility by developing 10.9 acres of its 22.9-acre site¹ to handle and store bulk liquids—crude oil, ethanol, naphtha, gasoline, vacuum gas oil, jet fuel, no. 2 fuel oil, no. 6 fuel oil, kerosene, renewable jet fuel, renewable diesel, used cooking oil, and animal fat (proposed action), in addition to currently permitted liquids, including biodiesel, petroleum diesel, vegetable oil, and methanol. These liquids would either be used in the existing biodiesel production facilities or handled (unloaded and loaded) and stored for offsite transport in either the existing or proposed facilities. Proposed facilities include up to nine storage tanks, expanded rail spurs and unloading facilities, vessel loading equipment, and pipelines connecting the storage tanks with the rail unloading and vessel loading areas. It is anticipated that these bulk liquids would be transported to and from the project site primarily by rail and vessel.

Under the no-action alternative, none of the proposed facilities would be constructed and Imperium Terminal Services would continue to operate its existing facility. For the purpose of evaluating impacts, the no-action alternative includes planned infrastructure improvements that have already been funded or are expected to be permitted prior to 2017 and assumes continued future growth and development in the region over the subsequent 20 years.

Location

The proposed action would occur on the existing Imperium Terminal Services facility (project site), located between Terminals 1 and 2 of the Port of Grays Harbor (Port) in Hoquiam, Washington, just north of where the Chehalis River empties into Grays Harbor.

Proponent

Imperium Terminal Services

Co-Lead Agencies

City of Hoquiam and Washington State Department of Ecology

¹ The additional 12 acres of the project site are already developed as a biodiesel production and transport facility.

Responsible Officials

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(360) 407-0271
paula.ehlers@ecy.wa.gov

Required Permits, Approvals, and Plans

The following permits and/or approvals would be required for the proposed action.

City

- | City of Hoquiam Critical Areas Review for fish and wildlife habitat and geologically hazardous areas
- | City of Hoquiam Shoreline Substantial Development Permit
- | City of Hoquiam Conditional Land Use Permit
- | City of Hoquiam Building Permit
- | City of Hoquiam Grade and Fill Permit

- | City of Hoquiam Fire Department Permit
- | City of Aberdeen Utility Services Agreement
- | City of Aberdeen Critical Areas Review for fish and wildlife habitat and geologically hazardous areas
- | City of Aberdeen Shoreline Substantial Development Permit
- | City of Aberdeen Building Permit
- | City of Aberdeen Grade and Fill Permit
- | City of Aberdeen Fire Department Permit

State

- | Washington State Department of Ecology National Pollutant Discharge Elimination System Construction Stormwater General Permit
- | Washington State Department of Ecology Resource Conservation and Recovery Act Notice of Registration Update
- | Washington State Olympic Region Clean Air Agency Approval Order
- | Washington State Department of Ecology National Pollutant Discharge Elimination System Industrial Stormwater Permit
- | Washington State Department of Ecology Spill Prevention Plan
- | Washington State Department of Ecology Spill Contingency Plan
- | Washington State Department of Ecology Facility Operations Manual
- | Washington State Department of Ecology Oil Handling Facility Training and Certification Report
- | Washington State Department of Ecology Oil Handling Facility Safe and Effective Threshold Report
- | Washington State Department of Labor and Industries – Certificate of Industrial Insurance Coverage
- | Washington Department of Licensing – Fuel Tax License

Federal

- | Integrated Contingency Plan (One Plan)² that addresses the following required plans:
 - | U.S. Environmental Protection Agency Facility Response Plan
 - | U.S. Environmental Protection Agency Spill Prevention Control and Countermeasure Plan
 - | U.S. Coast Guard Facility Response Plan
 - | U.S. Coast Guard Letter of Intent

² The Integrated Contingency Plan process allows a facility to comply with multiple federal planning requirements, including those required by the U.S. Environmental Protection Agency, U.S. Coast Guard, Occupational Safety and Health Administration, Office of Pipeline Safety of the Department of Transportation, and Minerals Management Services in the Department of the Interior, by consolidating them into one functional emergency response plan.

- i U.S. Coast Guard Oil Spill Response Plan
- i U.S. Coast Guard Facility Security Plan and Facility Security Assessment
- i U.S. Coast Guard Operations Manual Update

Environmental Impact Statement Authors and Principal Contributors

This document has been prepared under the direction of the co-lead agencies. Key authors and topics are listed below.

Author	Topic(s)
ICF International 710 Second Avenue, Suite 550 Seattle, WA 98104 (206) 801-2800	Environmental impact statement and community affairs lead. Existing conditions and impact analyses for earth, air quality, water, plants, animals, energy and natural resources, noise and vibration, land use, aesthetics and light and glare, recreation, public services and utilities, historic and cultural resources, tribal resources, vehicle traffic and safety, rail traffic, vessel traffic, oil spill modeling, environmental health and safety, economics, social policy, and cost-benefit analysis. Mitigation refinement in coordination with the co-lead agencies.
Coast and Harbor Engineering 110 Main Street, Suite 103 Edmonds, WA 98020 (425) 778-6243	Tsunami risk assessment
DKS Associates 720 SW Washington Street, Suite 500 Portland, OR 97205 (503) 243-3500	Vehicle traffic modeling
WolfRAMPANT, LLC 8307 66th Avenue NW Gig Harbor, WA 98332 (206) 782-4308	Vessel traffic
VTD Rail Consulting, Tom White 6707 230th Street SW Mountlake Terrace, WA 98043 (425) 345-6337	Rail modeling, rail traffic
ECONorthwest 1218 3rd Avenue, Suite 1709 Seattle, WA 98101 (206) 388-0083	Economic modeling

Date of Draft Environmental Impact Statement Issuance

August 31, 2015

Date Draft Environmental Impact Statement Comments Are Due

October 29, 2015

You may submit your comments in the following ways.

By mail:

Westway and Imperium Terminal Services Expansion Projects EISs
c/o ICF International
710 Second Street, Suite 550
Seattle, WA 98104

Online:

Submit comments at <https://public.commentworks.com/cwx/westwayimperiumcommentform>

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Date and Place of Draft Environmental Impact Statement Public Meetings

October 1, 2015, 1:00 to 9:00 p.m., at the Satsop Business Park, Flextech Building, 150 Technology Way, Elma, WA 98541

October 8, 2015, 1:00 to 9:00 p.m., at the D&R Theatre, 205 South I Street, Aberdeen, WA 98520

Availability of the Draft Environmental Impact Statement

The document is posted on the Washington State Department of Ecology web site:

<http://www.ecy.wa.gov/geographic/graysharbor/terminals.html>. To obtain a printed copy or CD of the Draft EIS (for the cost of production), follow the instructions provided at <http://www.ecy.wa.gov/services/disclosure/disclose.html>.

The document is also available as a reference at:

- | Washington State Department of Ecology
300 Desmond Drive SE
Lacey, WA 98503
- | City of Hoquiam
609 8th Street
Hoquiam, WA 98550
- | Aberdeen Timberland Library
121 East Market Street
Aberdeen, WA 98520-5292
- | Centralia Timberland Library
110 S Silver Street
Centralia, WA 98531-4218
- | Hoquiam Timberland Library
420 7th Street
Hoquiam, WA 98550-3616

- | Lacey Timberland Library
500 College Street SE
Lacey, WA 98503-1240
- | Olympia Timberland Library
313 8th Avenue SE
Olympia, WA 98501-1307

Next Actions

Comments on the draft environmental impact statement (Draft EIS) will be received and compiled. A final environmental impact statement (Final EIS) will be published that includes responses to comments on the Draft EIS. The Final EIS is expected to be published in spring 2016, but this date is subject to change. Seven days following publication of the Final EIS, permits for construction and operation of the project may be issued. Construction of the proposed action is planned to begin in mid-2016.

Previous Environmental Documents

Prior environmental review was conducted for the Imperium Terminal Services Expansion Project, including the following documents.

- | Environmental Checklist with attachments, February 21, 2013
- | Shoreline Substantial Development Permit Application, received February 13, 2013
- | Conditional Land Use Permit Application, received February 13, 2013

Prior environmental review also was conducted for the original facility, Imperium Grays Harbor, including the following document.

- | Environmental Checklist with attachments, June 8, 2006

When appropriate, prior environmental documents were considered in the preparation of this Draft EIS.

Location of Background Information

An electronic copy of the Draft EIS will be available online during the public comment period at <http://www.ecy.wa.gov/geographic/graysharbor/imperiumterminal.html>.

All materials incorporated by reference and supporting technical memoranda are available for review at the following location.

Washington State Department of Ecology
300 Desmond Drive SE
Lacey, WA 98503

Printed copies of the Draft EIS can be made available through the Washington State Department of Ecology for a fee.

IMPERIUM TERMINAL SERVICES EXPANSION PROJECT DRAFT ENVIRONMENTAL IMPACT STATEMENT

City of Hoquiam
609 8th Street
Hoquiam, WA 98550

Washington State Department of Ecology
300 Desmond Drive SE
Lacey, WA 98503

August 2015

City of Hoquiam and Washington State Department of Ecology. 2015.
Imperium Terminal Services Expansion Project Draft Environmental
Impact Statement. August. Hoquiam and Lacey, WA.

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Acronyms and Abbreviations

°C	degrees Celsius
°F	degrees Fahrenheit
µg/m ³	micrograms per cubic
AGP	Ag Processing, Inc.
ALLSITES	Facility/Site Identification System Listing
AMC	Aberdeen Municipal Code
API	American Petroleum Institute
applicant	Imperium Terminal Services
ASIL	accep source impact level
ATB	articulated tug-barge
BMP	best management practice
BNSF	BNSF Railway
Btu	British thermal unit
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Federal Comprehensive Environmental Response, Compensation, and Liability Information System
CFR	Code of Federal Regulations
cfs	cubic feet per second
Chehalis	Confederated Tribes of the Chehalis Reservation
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
CSCSL NFA	Confirmed and Suspected Contaminated Sites – No Further Action
CSZ	Cascadia Subduction Zone
CTC	centralized traffic control
CWCOG	Cowlitz-Wahkiakum Council of Governments
DAHP	Washington State Department of Archaeology & Historic Preservation
dBA	A-weighted decibels
DNL	day-night sound level
DPM	diesel particulate matter
DPS	distinct population segment
Draft EIS	draft environmental impact statement
Ecology	Washington State Department of Ecology
EIS	environmental impact statement
EPA	U.S. Environmental Protection Agency

ESA	Endangered Species Act
ESHB	Engrossed Substitute House Bill
FEMA	Federal Emergency Management Agency
FINDS	Facility Index System/Facility Registry System
FR	Federal Register
FRA	Federal Railroad Administration
FRA/FTA Manual	Transit Noise and Vibration Impact Assessment
FTA	Federal Transit Administration
g	gravity
GHCOG	Grays Harbor Council of Governments
GHG	greenhouse gas
GIS	geographic information system
GMA	Growth Management Act
GRP	geographic response plan
HMC	Hoquiam Municipal Code
Hz	hertz
IMPLAN	Impact Analysis for Planning Model
IPCC	Intergovernmental Panel on Climate Change
kg CO ₂ per mmBtu	kilograms of carbon dioxide per million British thermal unit
kHz	kilohertz
Ldn	day-night sound level
LEED	Leadership in Energy and Environmental Design
Leq	equivalent sound level
Leq[h]	hourly equivalent sound level
LOS	level of service
LUST	Leaking Underground Storage Tank
MANIFEST	Hazardous Waste Manifest Information
MHHW	mean higher high water
MLLW	mean lower low water
MMTCO ₂ e	million metric tons of carbon dioxide equivalent
MP	milepost
mph	miles per hour
N ₂ O	nitrous oxide
NAAQS	national ambient air quality standards
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NIMS	National Incident Management System
nm	nautical miles
NO ₂	nitrogen dioxide

NOAA	National Oceanic and Atmospheric Administration
NO _x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
O ₃	ozone
OPA 90	Oil Pollution Act of 1990
PGA	peak ground acceleration
PHMSA	Pipeline and Hazardous Materials Safety Administration
PM10	particulate matter with a diameter of 10 micrometers or less
PM2.5	particulate matter with a diameter of 2.5 micrometers or less
Port	Port of Grays Harbor
ppb	parts per billion
ppm	parts per million
PS&P	Puget Sound & Pacific Railroad
PUD	Public Utility District
QIN	Quinault Indian Nation
Quinault	Quinault Indian Nation
RCRA	Resource Conservation and Recovery Act Information
RCW	Revised Code of Washington
SEL	sound exposure level
SEPA	State Environmental Policy Act
SMA	Shoreline Management Act
SO ₂	sulfur dioxide
SOSC	State-On-Scene Coordinator
SQG	small quantity generator
SR	State Route
SR 105	State Route 105
SR 109	State Route 109
SR 507	State Route 507
SR 520	State Route 520
TMDL	Total Maximum Daily Load
TPC	train performance calculator
U.S.C	United States Code
UP	Union Pacific
US 101	US Highway 101
US 12	US Highway 12
US 2	US Route 2
USACE	U. S. Army Corp of Engineers
USCG	U.S. Coast Guard

USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VCP	Voluntary Cleanup Program
VdB	velocity decibels
VHF	very high frequency
VOC	volatile organic compound
WAC	Washington Administrative Code
WDFW	Washington Department of Fish and Wildlife
WISAARD	Washington Information System for Architectural and Archaeological Records Database
WNHP	Washington Natural Heritage Program
WRIA	Watershed Resources Inventory Area
WSDOT	Washington State Department of Transportation
WUTC	Washington Utilities and Transportation Commission