

**Table 1 CP Cascadia Rail Expansion Phase 4 – Table of Concordance**

VFPA Checklist Requirements	PER Application Section/ Attachment Section
<b>Section 1: General Submission Requirements</b>	
Application Form	Attachment 4 - Application Form (submitted via VFPA Permit Portal)
Application Fee	Attachment 3 - Application Fee and Deposit – electronic transfer on May 28, 2021
Documentation Deposit	Attachment 3 - Application Fee and Deposit – electronic transfer on May 28, 2021
Contact List	Attachment 2; and PER Application: Section 1.1
<b>Section 2: Project Description Requirements</b>	
<b>General Scope</b>	
Brief background of the applicant’s company and business operations in the region.	PER Application: Section 2.1.2
Description of the Project, including the purpose, use, and rationale.	PER Application: Section 2.1.1
Description of the Project setting, including proximity to sensitive receptors such as schools or parks.	PER Application: Section 2.1.3 and 2.1.6
Description of potential impacts to land, water, air, land and adjacent community and businesses, as a result of the project.	Attachments 14 and 15; and PER Application: Section 4.2.7
List all studies that have been completed in support of the application.	PER Application: Section 4.0
<b>Operations</b>	
Description of existing and proposed capacities and throughput including vehicular, truck, train and marine vessel traffic.	PER Application: Section 2.3
Description of the proposed increase in storage capacity of the terminal, and product throughput in tonnes per week, month, or year.	PER Application: Section 2.3
Description of any potential environmental and community impacts that may result from the construction or operation of the project, and proposed mitigation strategies.	Attachment 15; and PER Application: Section 6.1 Attachment 6; and PER Application: Section 4.3.3 Attachment 16; and PER Application: Section 5.1

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<b>Construction</b>	
Proposed construction period (start and finish), hours, and method of construction.	PER Application: Section 2.1.4, H362379-GA-100-S0-0001
Description of construction staging activities.	Attachment 8; and PER Application: Section 4.3.2
If you anticipate the need to construct outside of the standard VFPA construction hours, this can be requested in the application. Should this information not be provided at the time of application, the request can be processed at a later date, but will be subject to a permit amendment.	N/A - To be completed upon review
<b>Section 3: Drawing Requirements</b>	
<b>Location Plan</b>	
Plan showing the relationship of the proposed Project to surrounding area at a 1:5000 scale.	Attachment 5; and PER Application: Section 3
<b>Site Plan</b>	
Lease and property boundaries, easements and right-of-ways.	Attachment 5; and PER Application: Section 3, 362379-PR-100S0-0005
Legal high-water mark where applicable.	PER Application: Figure 3a and 3b
Location and dimensions of all existing and proposed buildings, structures, equipment, and marine structures.	Attachment 5; and PER Application: Section 3, H362379-RW-100-S0-0011-0017; H360165-CV-100-S0-0001-0002; and H360165-SR-100-S0-0002-0003
Access points including roadways, driveways, parking areas, walkways, berths, gangways, docks.	Attachment 5; and PER Application: Section 3, H362379-GA-100-S0-0001
Area of construction staging/laydown area.	PER Application: 4a – 4c

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<b>Marine Structures</b>	
Site plan specific to proposed marine works only. Identify existing marine structures and those intended to be removed or relocated or will be impacted (e.g. storm water outfall impacted by rip rap placement).	Attachment 5; and PER Application: Section 3, H360165-CV-100-S0-0001-0002
Dimensions and cross sections of front, rear and two sides of proposed marine structures including dolphins, piles, docks, piers, gangways, floats, fenders, bollards, rip rap, navigational lighting, navigation aids, ranges, dredging channels, dams and areas to be filled etc.	Attachment 5; and PER Application: Section 3, H362379-RW-100-S0-0011-0017; H360165-CV-100-S0-0001-0002; and H360165-SR-100-S0-0002-0003
Dimensions and characteristics of proposed materials.	Attachment 5; and PER Application: Section 3, H362379-GA-100-S0-0001
Structures in relation to the tidal Higher High Water and Lower Low Water lines including water depth.	Attachment 5; and PER Application: Section 3, H362379-GA-100-S0-0001
<b>Utilities</b>	
Separate plans showing existing and proposed utilities.	Attachment 5; and PER Application: Section 3, H362379-GA-100-S0-0001
Lot grading plan showing existing/proposed paving and drainage. Separate to two plans if required for clarity.	N/A
The Applicant is responsible for location of all existing utilities. VFPA will provide known utility information, but location of buried utilities must be confirmed by the applicant.	N/A
<b>Rail</b>	
Existing and proposed rail tracks, switches, and other associated rail works.	Attachment 5; and PER Application: Section 3, H362379-GA-100-S0-0001
Description of the rail operations expected, and how rail cars are delivered to the site and managed while on site.	Attachment 5; and PER Application: Section 3, H362379-GA-100-S0-0001
<b>Section 4: Required Studies and Reports</b>	
<b>Hazardous Materials Handling</b>	
Description of hazardous materials storage and handling methods & table of applicable regulations.	Attachment 6, section 8; and PER Application: Section 4.1.1
Hazardous materials reuse, removal, recycling and disposal plan, prior to demolition of structures in accordance with all relevant regulations.	Attachment 6, section 8; and PER Application: Section 4.1.1
Copies of any relevant material safety data sheets (MSDS) as it may related to products handled, used, or stored on the site.	N/A – See Attachment 6, section 8; and PER Application: Section 4.1.1

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<b>Geotechnical Report</b>	
Description of site seismic and geologic hazards.	Attachment 7; and PER Application: Section 4.1.2
Description of construction measures, precautions and corrective actions recommended for preventing structural damage and reducing the risk of terrestrial, marine and riparian geotechnical hazards to acceptable levels.	Attachment 7; and PER Application: Section 4.1.2
<b>Rail Operations Plan</b>	
An assessment of the rail operations expected, including length and number of cars, average number and peak number of trains per day anticipated at the site, how rail cars are delivered to the site and managed while on the site, and total site capacity – length of tracks and total number of trains that can be accommodated on site.	N/A – CP will provide Railway Flagging as needed
Overview of how shunting or car switching is conducted or managed, and design speed for arriving and departing trains.	PER Application: Section 2.3 (no reference of car switching or shunting)
Provide a copy of a joint letter of support for the project between participating carrier (CP Rail) and terminal (Cascadia).	In development
Description of the design capacity and specifications for the rail components that are specified for all on-site rail.	PER Application: Section 2.3
Account for operations traffic up to the 10 year horizon.	N/A
<b>Marine Construction &amp; Staging Plan</b>	
Identification of navigation related hazards and risk mitigation measures.	Attachment 8, and 10, and PER Application: Section 4.2.1 and 4.3.2
Staging and construction areas.	Attachment 8; and PER Application: Figure 4a-4c
Dates and hours of operations.	Attachment 8, Section 6; and PER Application: Section 4.3.2
Description and hours of operation.	Attachment 8, Section 6; and PER Application: Section 4.3.2
Description of activities taking place.	Attachment 8, Section 3; and PER Application: Section 4.3.2
Equipment and vessel (dimensions must be included).	Attachment 8, Section 3, dimensions can be found in Attachment 10, Section 3; and PER Application: Section 4.3.2, and 4.2.1
Method of preferred communication with marine users.	Attachment 8, Section 7; PER Application 4.3.2
Method of communication updates to relevant users.	Attachment 8, Section 7; PER Application: Section 4.3.2
Special requests and/or additional information.	N/A

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<b>Marine Communications Plan</b>	
Details, timelines, equipment, staging, etc.	Attachment 9, Section 1; PER Application: Section 4.3.2
Draft Construction Notice to Mariners – regarding overall project.	In development
Weekly (NAVWARN) to update marine users on any changes.	Attachment 9, Section 1; PER Application: Section 4.3.2
<b>Navigation Impact Assessment</b>	
Marine impacts, obstructions and mitigation plan due to permanent works either within the navigation channel or marine safety channel boundaries (construction phase) – i.e. impact on channel depth and/or width, construction and vessel staging plan.	Attachment 10, Section 4; PER Application: Section 4.2.1
<b>Hydraulic Process and Alteration Report</b>	
Investigation and description of potential alterations (as a result of the installation of fill material extending into TCZ-2) to local hydraulics.	Attachment 11; and PER Application: Section 4.2.2
<b>Noise Study</b>	
An assessment of how the proposed development will affect the noise levels experienced by the adjacent community.	Attachment 12; and PER Application: Section 4.2.3
<b>Archaeological Potential – Preliminary Assessment</b>	
Footprint and depth of ground alteration works, if proposed.	Attachment 13; and PER Application: Section 4.2.6
Identify if the proposed project is situated on fill or native soil, and what the anticipated impacts to native soil may be.	Attachment 13; and PER Application: Section 4.2.6
Identify if the proposed project is within 100m of potable water (historically present or currently present).	Attachment 13; and PER Application: Section 4.2.6
Location of proposed project in relation to the original shoreline or river/stream bank.	Attachment 13; and PER Application: Section 4.2.6
Determine if the proposed project is situated on relatively level ground.	Attachment 13; and PER Application: Section 4.2.6
<b>Archaeological Overview Assessment</b>	
Identify and assess archaeological resource potential or sensitivity within a proposed Project area.	Attachment 13; and PER Application: Section 4.2.6
Provide recommendations concerning the appropriate methodology and scope of work for subsequent inventory and/or archaeological impact assessment studies.	Attachment 13; and PER Application: Section 4.2.6

VFPA Checklist Requirements	PER Application Section/ Attachment Section
<b>Archaeological Impact Assessment</b>	
Identify archaeological sites, evaluate their significance, assess potential impacts by the project on archaeological sites, and provide recommendations concerning the appropriate impact management measures that may be required.	Attachment 13; and PER Application: Section 4.2.6
<b>Construction Environmental Management Plan (CEMP)</b>	
Description of how the site will be managed during construction such that the work does not result in adverse impacts to the environment, heritage resources, public (municipal, stakeholders, community), Indigenous groups, and including potential effects from stormwater, noise, vibration, light, dust emissions, or other deleterious discharges.	Attachment 6; and PER Application: Section 4.3.3
<b>Vegetation Plan</b>	
Description of topography, hydrology, soil cover and quality.	Attachment 14, Section 3; and PER Application: Section 4.3.4
Description of current vegetation types, characteristics and relative abundance, including native, listed and invasive species.	Attachment 14, Section 3; and PER Application: Section 4.3.4
Description of riparian vegetation removal and details as to proposed location, species and ratio of replacement planting and include an adaptive vegetation management, monitoring and control plan. Locations and ratios will be confirmed by VFPA upon review of a complete application.	Attachment 17; and PER Application: Section 6.1
<b>Soil/Sediment Management Plan</b>	
Outlines how the proponent will test for, appropriately handle, limit migration/run-off and dispose of contaminated soils.	Attachment 6, Section 5.5.1; PER Application: Section 4.3.3
Required when dealing with properties with known or suspected contamination in the soil.	Attachment 6, Section 5.7; PER Application: Section 4.3.3
<b>Biophysical Survey Report</b>	
An assessment of species and habitats that will be affected by project activities such as infilling, vegetation removal, or shoreline modification.	Attachment 17; and PER Application: Section 6.1
<b>Nesting Bird Survey</b>	
An assessment of nesting birds using non-intrusive methods (i.e. determine the presence of birds in habitat through observation of singing birds, alarm calls, distraction displays, nest).	N/A (see PER Application: Section 4.2.8)
Include a description of existing conditions, potential impacts, and proposed mitigation strategies	Attachment 6, Section 2.8.6; and PER Application: Section 4.3.3

VFPA Checklist Requirements	PER Application Section/ Attachment Section
<b>Species-at-Risk Assessment</b>	
Identification of all federal and provincial listed species-at-risk associated with the proposed Project.	Attachment 14, Section 4.1; and PER Application: Section 4.2.9
Include a description of potential impacts and proposed mitigation strategies.	Attachment 14, Section 4.2; and PER Application: Section 4.2.9 Attachment 6, Section 2.8.1; and PER Application: Section 4.3.3 Attachment 15, Section 4 and 6; and PER Application: Section 6
<b>Invasive Species Assessment</b>	
Existing invasive species types.	Attachment 14, Section 5; and PER Application: Section 4.2.9
Mitigation plan to prevent spread of invasive species during construction.	Attachment 14, Section 5; and PER Application: Section 4.2.9 Attachment 6, Section 2.9; and PER Application: Section 4.3.3
Invasive species monitoring and management plan.	Attachment 14, Section 5; and PER Application: Section 4.2.9 Attachment 6, Section 2.9; and PER Application: Section 4.3.3
<b>Spill Prevention and Emergency Response Plan (on land and water)</b>	
Emergency Response plan as it relates to reportable spills.	Attachment 6, Section 8; PER Application: Section 4.3.3
Inventory of hazardous materials anticipated to be handled or stored on site during normal operations.	Attachment 6, Section 8; PER Application: Section 4.3.3
A description of spill prevention, containment and clean-up plan for hydrocarbon products (including fuel, oil and hydraulic fluid) and any other deleterious substances using standards, practices, methods and procedures to a good commercial standard, conforming to applicable laws.	Attachment 6, Section 8; PER Application: Section 4.3.3
Description of proposed employee training, emergency response communication plan, emergency procedures, spill tracking and reporting, records of facilities inspections.	Attachment 6, Section 8; PER Application: Section 4.3.3
Reference to appropriate spill containment and clean-up supplies available on site at all times and that all personnel working on the Project are familiar with the spill prevention, containment and clean-up plan.	Attachment 6, Section 8; PER Application: Section 4.3.3

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<b>Section 5: Consultation Requirements</b>	
<b>Indigenous Groups</b>	
The proposed Project will be assessed to determine whether any part of the proposed work has the potential to impact Aboriginal rights.	Attachment 16, Section 4; and PER Application: Section 5.1
Confirmation of the requirement for Aboriginal consultation will be provided upon acceptance and review of your completed Project Application.	Attachment 16, Section 4; and PER Application: Section 5.1
Provide all records of previous information sharing activities, agreements, or other interactions with Aboriginal groups with respect to the proposed Project.	Attachment 16, Section 4; and PER Application: Section 5.1
Provide information on any known Aboriginal interests in the Project area.	Attachment 16, Section 4; and PER Application: Section 5.1
<b>Stakeholders</b>	
<p>The proposed Project may have an impact on stakeholder interests. The following stakeholder notification and/ consultation will be led by VFPA during application review phase with the involvement of the Applicant at the request of VFPA (responding to stakeholders, attending meetings etc.).</p> <ul style="list-style-type: none"> <li>• City of Burnaby</li> <li>• Metro Vancouver</li> <li>• Parkland Refining (B.C.) Ltd.</li> <li>• BC Coast Pilots</li> <li>• Other stakeholders potentially impacted by proposed habitat development</li> </ul>	PER Application: Section 5.2
VFPA may revise the list of stakeholders upon acceptance and review of a complete Project Application.	N/A
<b>Section 6: Other Requirements/Considerations</b>	
The Applicant shall review DFO's Projects Near Water website ( <a href="http://www.dfo-mpo.gc.ca/pnw ppe/index-eng.html">http://www.dfo-mpo.gc.ca/pnw ppe/index-eng.html</a> ).	Completed
If offsetting is required or anticipated, VFPA requires a conceptual plan prior to completing the Project and Environmental Review (PER). Note that any works associated with offsetting in VFPA jurisdiction will need to be included in the scope of the proposed Project and reviewed as part of the PER.	Attachment 15 and 17; and PER Application: Section 6