

1 **3.7 HAZARDS AND HAZARDOUS MATERIALS**

HAZARDS AND HAZARDOUS MATERIALS – Would the Project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2 **3.7.1 Environmental Setting**

3 The Project would use equipment and materials that would be transported and stored
 4 on vessels for the duration of Project’s 3-week construction period as described in
 5 Section 2. The presence or transportation of contaminated or hazardous materials in the

1 Project area could affect workers, residents, and the environment. All hazardous
2 materials used for the Project would be transported from the contractor's shore-based
3 facilities to the Project site and stored on the barges or tugboats. Materials would be
4 located on the barge and transported by crew boat and work skiff to the barge as
5 needed. The above-mentioned materials could include fuel (diesel and gasoline), grout,
6 compressed acetylene and other welding gases, penetrating oil, non-toxic
7 biodegradable hydraulic oil, lubricating oils, batteries, and marking paint.

8 Contaminated or hazardous materials within the contractor's shore-based facilities (see
9 Section 2.5 for more details) could affect residents, workers, and visitors. The
10 contractor's shore-based facilities are permanent facilities that comply with all regulatory
11 requirements and would not be located at the Project site.

12 The submerged portion of the pipeline was previously used for wastewater discharge
13 and could potentially be partially filled with seawater.

14 **3.7.2 Regulatory Setting**

15 Federal and State laws and regulations pertaining to this issue area and relevant to the
16 Project are identified in Table 3-1. Local goals, policies, and/or regulations applicable to
17 this issue area are summarized below.

18 The City has a Hazardous Waste Management Plan incorporated into its General Plan
19 with the following goals: safe and effective management of hazardous waste within the
20 City; and protection of public health and safety and the environment (City of Hercules
21 1998). The County also has a Hazardous Waste Management Plan that is incorporated
22 into its General Plan. The goals and policies relevant to waste disposal are to eliminate
23 the generation and the disposal of hazardous waste to the maximum extent feasible
24 (Contra Costa County 2005).

25 **3.7.3 Impact Analysis**

26 ***a) Create a significant hazard to the public or the environment through the***
27 ***routine transport, use, or disposal of hazardous materials?***

28 **Less than Significant Impact.** The Project would require the use of following
29 hazardous materials (containing possible hazardous components) on the barges and
30 onshore: fuel (diesel and gasoline); grout (for the pipeline); acetylene and other
31 compressed gases for cutting torches; penetrating oils, lubricating oils and hydraulic oils
32 for equipment; batteries; and marking paint.

33 The pipeline is expected to consist of schedule 40 asphalt-mastic and mortar-coated
34 steel pipe, with welded joints surrounded by a steel casing sleeve underneath the
35 UPRR ROW. The pipeline would be cut on the barge and taken to the contractor's

1 shore-based facility for testing and transport to an appropriate recycling or disposal
2 facility. Although it is not expected to be contaminated and sediment testing around the
3 pipeline did not indicate chemical concentrations of concern, the pipeline itself would be
4 tested prior to recycling or disposal.

5 The majority of the onshore portion of the pipeline would be grouted and capped. If
6 grout dust is inhaled it can irritate mucous membranes in the sinuses and lungs, and
7 can be a mild skin irritant for humans. When wet, grout has a high pH that can be a skin
8 irritant. After curing, grout is essentially inert.

9 The activities at the contractor's shore-based facility would include routine
10 transportation and use of hazardous materials under current permits. The Applicant
11 contract would require the contractor to hold all applicable permits and comply with all
12 applicable laws and regulations. The routine hazardous materials used would include
13 diesel fuel, gasoline, hydraulic oil, lubricating oils, grease, compressed acetylene,
14 welding gases, and other industrial materials. All hazardous materials en route to or
15 from the barges would be staged at the contractor's shore-based facility.

16 There would be no routinely scheduled transport, use, or disposal of hazardous
17 materials associated with the Project. Activities involving hazardous materials would be
18 limited to the short construction period. As described in Section 2, all work would be
19 done according to approved plans to manage hazardous materials. Project plans
20 include measures to manage and control hazardous materials and to contain any
21 potential spills. The Project would not include the routine transportation, use and
22 disposal of hazardous materials, and appropriate plans would be in place to ensure that
23 short-term transportation, use, and disposal of hazardous materials during the
24 construction period would occur in a safe manner.

25 ***b) Create a significant hazard to the public or the environment through***
26 ***reasonably foreseeable upset and accident conditions involving the release of***
27 ***hazardous materials into the environment?***

28 **Less than Significant with Mitigation.** The sediments were tested in March 2013 and
29 were determined to be neither hazardous nor toxic. Accidental releases of hazardous
30 materials from the barges, the onshore grouting operations, or onshore work area could
31 occur during the construction process. Accidents during the Project could include
32 equipment leaks, e.g., hydraulic fluid, fuel spills, or other petroleum product releases to
33 surface waters. Accidents involving fuel or flammable compressed gases could result in
34 a fire. During the removal of the pipeline, Bay sediments could be disturbed and re-
35 suspended in the water column as a result of Project activities.

36 While considered unlikely, an accidental diesel fuel or grout material release into the
37 marine environment could result in potentially significant impacts to marine biota without

1 the incorporation of mitigation. Accidental releases of hazardous materials and/or waste
2 from barges or onshore work would be minimized through the design of the proposed
3 Project, construction requirements, and **MMs HAZ-1** through **HAZ-3** below. All work
4 would be done according to approved plans to manage hazardous materials. The
5 hazardous materials management processes included in the Project as described in
6 Section 2, including development of plans, would minimize potential impacts.

7 **MM HAZ-1: Oil Spill Prevention and Response Plan (OSPRP)/Grout**
8 **Management Plan (GMP).** The Applicant shall develop and submit to California
9 State Lands Commission staff for review and approval an OSPRP/GMP that
10 addresses accidental releases of petroleum and/or non-petroleum products
11 (including grout) during Project operations. The OSPRP/GMP shall include the
12 following information:

- 13 • Specific steps to be taken in the event of a spill, including notification names,
14 phone numbers, and locations of: (1) nearby emergency medical facilities,
15 and (2) wildlife rescue/response organizations (e.g., Oiled Wildlife Care
16 Network);
- 17 • Description of crew training and equipment testing procedures; and
- 18 • Description, quantities and location of spill response equipment onboard the
19 vessel.

20 **MM HAZ-2: Approved Vessel Fueling Guidelines.** Vessel fueling shall only occur
21 at an approved docking facility. No cross vessel fueling shall be allowed.

22 **MM HAZ-3: Onboard Spill Response Equipment.** Onboard spill response
23 equipment and supplies shall be sufficient to contain and recover the worst-case
24 scenario spill of petroleum and/or non-petroleum products as outlined in the Oil
25 Spill Prevention and Response Plan (OSPRP).

26 ***c) Emit hazardous emissions or handle hazardous or acutely hazardous***
27 ***materials, substances, or waste within one-quarter mile of an existing or***
28 ***proposed school?***

29 **No Impact.** There are no existing or proposed schools within 0.25 mile of the Project
30 site even though the Project would involve handling of hazardous materials. The Rodeo
31 Hills Elementary School, 0.38 mile southeast of the pipeline onshore work location, is
32 the nearest school to the Project site (Google Earth 2013).

33 ***d) Be located on a site which is included on a list of hazardous materials sites***
34 ***compiled pursuant to Government Code section 65962.5 and, as a result, would it***
35 ***create a significant hazard to the public or the environment?***

1 **No Impact.** Listings of onshore hazardous materials sites compiled pursuant to
 2 Government Code section 65962.5 were searched to identify potential onshore hazards
 3 that could be exposed by the Project. The Project is located adjacent to the Sequoia
 4 Pacific Refining site, which is found on the list of hazardous materials sites at the
 5 California Department of Toxic Substances Control (DTSC) “EnviroStor” database
 6 (DTSC 2013) compiled pursuant to Government Code section 65962.5. The refinery
 7 complex was built in 1966 and operated for 31 years, ceasing operations in 1997 (see
 8 Section 1.5). The land was acquired by Hercules LLC, remediated, and redeveloped
 9 into the Subdivision (completed in 2006). This site is listed as “Historical” but includes
 10 no specified contaminants of concern. In addition, Hercules LLC is listed on the
 11 database as a “Protective Filer” and no permits or activities are listed for the site. The
 12 results of the “EnviroStor” database search are summarized in Table 3.7-1, below.

13 **Table 3.7-1. Onshore Hazardous Material Sites in the Project Vicinity**

Location	EnviroStor
Sequoia Pacific Refining	Sequoia Pacific Corps. (EnviroStor Id. No. 07290005) Listed as Historical, no specified contaminants
Hercules LLC	Hercules LLC EnviroStor Id. No. CAT000617407). Located at the Subdivision (Victoria By The Bay Subdivision). Listed as “Protective Filer”. No permits or activities at this site.

Source: EnviroStor 2013

14 The Project work would be limited to a small area adjacent to the shoreline for the
 15 purpose of cutting, grouting and capping the pipeline to be abandoned in place. There
 16 would be very minimal excavation or removal of surface soil, if any. Excavated soil
 17 would include sediment on the ground surface that is incidental to the removal of the
 18 riprap. While the riprap is being removed, small amounts of soil could be scraped up
 19 from the clamshell bucket as it is moving a piece of riprap. It is anticipated that for any
 20 individual rock removal near the sediment surface (i.e., those pieces of riprap resting
 21 directly on the underlying soil or sediment), 6 to 12 inches of sediment surrounding that
 22 piece of riprap could be excavated along with removing the rock. Any such excavation
 23 would occur at the same locations that were disturbed by the 2010 Coscol Project (see
 24 Figure 2-1). The more extensive excavation for that Coscol Project reported no safety
 25 hazards for workers. All work would be done according to approved plans. Project plans
 26 include measures to manage and control hazardous materials and to contain any
 27 potential spills, as identified in **MM HAZ-1** above. In addition, sediments in the Project
 28 area were tested in March 2013 and were found to be neither hazardous nor toxic.

29 ***e) For a project located within an airport land use plan or, where such a plan has***
 30 ***not been adopted, within two miles of a public airport or public use airport, would***
 31 ***the project result in a safety hazard for people residing or working in the project***
 32 ***area?***

1 **No Impact.** The Buchanan Airport in Concord, greater than 2 miles from the Project
2 site, is the closest airport. There are no public airports within 2 miles of the Project;
3 therefore, no impact would be expected.

4 ***f) For a project within the vicinity of a private airstrip, result in a safety hazard***
5 ***for people residing or working in the project area?***

6 **No Impact.** No private airstrips were found within the vicinity of the Project or the
7 potential contractor's shore-based facilities (see Section 2.5 for more details).
8 Therefore, no impact would be expected.

9 ***g) Impair implementation of or physically interfere with an adopted emergency***
10 ***response plan or emergency evacuation plan?***

11 **No Impact.** Project activities would not physically interfere with an emergency response
12 plan or affect the implementation of an emergency response plan (see Section 3.3.13,
13 Public Services, (a), as well as Section 3.3.15, Transportation and Traffic, (e), for a
14 discussion of potential impacts to emergency response plans during the Project).
15 Therefore, no impact would occur.

16 ***h) Expose people or structures to a significant risk of loss, injury or death***
17 ***involving wildland fires, including where wildlands are adjacent to urbanized***
18 ***areas or where residences are intermixed with wildlands?***

19 **No Impact.** Pipeline removal work of approximately 3 weeks would be performed from a
20 barge or in a small work area in the narrow strip of land between the UPRR tracks and
21 San Pablo Bay. Site safety plans would be in place to address fire danger at the Project
22 site. The Project is not located within wildlands, and does not pose a risk of wildland
23 fire.

24 **3.7.4 Mitigation Summary**

25 Implementation of the following mitigation measures would reduce the Project-related
26 impacts to less than significant.

- 27 • MM HAZ-1: Oil Spill Prevention and Response Plan (OSPRP)/Grout
28 Management Plan (GMP).
- 29 • MM HAZ-2: Approved Vessel Fueling Guidelines.
- 30 • MM HAZ-3: Onboard Spill Response Equipment.