

1 **3.17 UTILITIES AND SERVICE SYSTEMS**

UTILITIES AND SERVICE SYSTEMS – Would the Project:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Have sufficient water supplies available to serve the Project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in a determination by the wastewater treatment provider which serves or may serve the Project that it has adequate capacity to serve the Project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the Project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2 **3.17.1 Environmental Setting**

3 The outfall is located in the Suisun Bay, in unincorporated Contra Costa County. It is
 4 situated approximately 0.6 mile to the east of the Concord Naval Weapons Station,
 5 Military Ocean Terminal; 0.8 mile to the south of Middle Ground Island in Suisun Bay;
 6 approximately 1.9 miles to the west of McAvoy Yacht Harbor in Bay Point and further
 7 (about 3 miles total along the shoreline) to the west of the mouth of the Sacramento
 8 River; and 0.9 mile to the north of Port Chicago Highway.

9 The onshore Project site is located in a relatively isolated and undeveloped area near
 10 Bay Point and is surrounded by the Suisun Bay, industrial properties, and tidal marsh.

11 With respect to utilities and services, the primary needs of the Project include the ability
 12 to recycle or dispose of non-hazardous solid waste associated with the removal of the
 13 outfall pipe, including treated wood, and other solid piping. There may also be

1 hazardous materials and wastes to dispose of including creosote-treated timber pilings,
2 petroleum based residues, and hydraulic fluids. In addition, hazardous materials will be
3 used and generated during removal activities. All associated hazardous materials will be
4 removed from the Project site for proper disposal (see Section 3.8, Hazards and
5 Hazardous Materials).

6 Several solid waste facilities located in the San Francisco Bay Area can receive non-
7 hazardous wastes from the pipe removal for recycling and/or disposal. Facilities
8 specialized for the treatment or disposal of hazardous wastes may lie outside the
9 immediate Bay Area, but they are accessible via the network of roads and highways
10 that serve the region. A shore base facility will be needed to handle materials and
11 transfer them to recycling and/or disposal sites. This location will be provided by the
12 selected contractor, who has not yet been chosen for the Project.

13 **3.17.2 Regulatory Setting**

14 **Federal and State**

15 No Federal or State laws relevant to this issue area are applicable to the Project.

16 **Local**

17 Each County is required to prepare and adopt a Countywide Integrated Waste
18 Management Plan that must include source reduction and recycling elements. Contra
19 Costa County has a Construction and Demolition Ordinance that became effective in
20 2004. It applies to all construction sites that are greater than 5,000 square feet. This
21 Project will not require a Demolition permit.

22 **3.17.3 Impact Analysis**

23 ***a) Exceed wastewater treatment requirements of the applicable Regional Water*** 24 ***Quality Control Board?***

25 **No Impact.** The Project is not expected to conflict with wastewater treatment
26 requirements of the SFBRWQCB because the Project will not produce wastewater.

27 ***b) Require or result in the construction of new water or wastewater treatment*** 28 ***facilities or expansion of existing facilities, the construction of which could cause*** 29 ***significant environmental effects?***

30 **No Impact.** The Project would not result in the construction of new water or wastewater
31 treatment facilities or expansion of existing facilities. Water required for cutting the
32 HDPE piping, wood, and steel materials associated with the outfall structure will be

1 minimal; wastewater treatment providers would not be overloaded as a result of the
2 Project's projected demand.

3 ***c) Require or result in the construction of new storm water drainage facilities or***
4 ***expansion of existing facilities, the construction of which could cause significant***
5 ***environmental effects?***

6 **No Impact.** The Project would not result in the construction of new storm water
7 drainage facilities or expansion of existing facilities. Removal activities would occur from
8 barges on the water. Cutting of the wood piles will not impact storm water drainage.

9 ***d) Have sufficient water supplies available to serve the Project from existing***
10 ***entitlements and resources, or are new or expanded entitlements needed?***

11 **No Impact.** Water use for the Project would be minimal and can be provided from
12 existing domestic water supplies. Mechanical devices would require a relatively small
13 amount of water to operate. This Project would not require new or expanded water
14 supply resources or entitlements.

15 ***e) Result in a determination by the wastewater treatment provider which serves or***
16 ***may serve the Project that it has adequate capacity to serve the Project's***
17 ***projected demand in addition to the provider's existing commitments?***

18 **No Impact.** The Project would not result in the construction of new water or wastewater
19 treatment facilities or expansion of existing facilities. Water required for cutting the
20 HDPE piping, wood, and steel materials associated with the outfall structure will be
21 minimal; wastewater treatment providers would not be overloaded as a result of the
22 Project's projected demand.

23 ***f) Be served by a landfill with sufficient permitted capacity to accommodate the***
24 ***Project's solid waste disposal needs?***

25 **Less than Significant Impact.** Waste materials will be generated from the safe
26 removal of HDPE piping, and wood materials associated with the outfall structure.
27 Several active solid waste landfills with adequate capacity for materials were identified
28 within the region. They are listed below, with their remaining capacity as reported by the
29 California Department of Resources Recycling and Recovery (CalRecycle) Solid Waste
30 Information System database.

- 31 • Keller Canyon Landfill; 901 Bailey Road, Pittsburg, CA 94565; 63 million cubic
32 yards; permitted by the Contra Costa County Health Services Department
33 Environmental Health Division

- 1 • Acme Fill Corporation; 950 Waterbird Way, Martinez, CA 94553; 175,000 cubic
2 yards; permitted by the Contra Costa County Health Services Department
3 Environmental Health Division
- 4 • Potrero Hills Landfill; 3675 Potrero Hills Lane, Suisun City, CA 94585; 13 million
5 cubic yards; permitted by the Solano County Department of Resource
6 Management

7 Each of these sites is able to receive solid waste from construction/demolition projects.
8 Thus, adequate disposal and recycling capacity exists for all of the nonhazardous scrap
9 and waste materials associated with the outfall removal. The limited amounts of
10 hazardous wastes that are generated can be serviced by current recycling or landfill
11 disposal facilities in California. Any impacts to landfills would be a less than significant.

12 ***g) Comply with federal, state, and local statutes and regulations related to solid***
13 ***waste?***

14 **No Impact.** Compliance with local statutes and regulations would assure compliance
15 with State and Federal requirements.

16 **3.17.4 Mitigation Summary**

17 The Project would not result in significant impacts to Utilities and Service Systems;
18 therefore, no mitigation is required.