4. The destruction, covering, or modification of any unique geologic or physical features?	X				
5. Any increase in wind or water erosion of soils, either on or off the site?	X				
6. Changes in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet, or lake?	X				
7. Exposure of people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure, or similar hazards?		X			

Explanation:

1.) The exercise of the option to renew the terminal's lease will not cause unstable earth conditions or changes in any geologic substructures because Shore Terminals is not proposing any changes to the existing structures at the Marine Terminal.

2.) The renewal of the lease will not lead to any changes in the soil covering the site, as Shore Terminals is not proposing any changes to the facilities that would require grading or the use of heavy mobile equipment. A new pipeline may be added to the existing above ground pipe rack during the term of the renewed lease. Construction would take place from the existing access road next to the pipe rack.

3.) The renewal of the lease will not lead to any changes in topography or surface relief because no construction is proposed, other than the new pipeline addressed above.

4.) The renewal of the lease will not destroy or modify any unique geological or physical feature because no construction is proposed, other than the potential for the new pipeline addressed above.

5.) The renewal of the lease will not change wind or water erosion of soils on the project site because Shore Terminals is not proposing any changes to the facilities.

6.) The renewal of the lease will not change any currents or depositional regimes in the Carquinez Straits or Suisun Bay because Shore Terminals is not proposing any changes to the existing wharf.

7.) The renewal of the lease will leave the Marine Terminal and the people who work there exposed to the probability of seismic activity, but will not increase this risk over the present operation. The wharf is constructed to withstand the impact loads caused by ship mooring, which are comparable to probable earthquake loads, and the piles that support it are set in sediments that are resistant to liquefaction. If the lease were not renewed, operations on the wharf itself would cease, and only the staff at the upland facility would be exposed to this risk.