1	Q.	Re: Refurbishment of Marine Terminal at the Holyrood Thermal Generating
2		Station (Tab 3)
3		What is the time required for connection and disconnection with a 16 inch flange?

A.

Currently, the time required for connection and disconnection with a 16 inch flange to the existing loading arm system is one and three hours, respectively. Please refer to the response to P2-CA-NLH-16 for the explanation of these times. The proposed modification to the fuel arms is to install a 16 inch quick coupler release, which will connect and disconnect from the vessel in reduced time as compared to the current design which requires the installation and torqueing of multiple bolt flanges. Also, installing a new pedestal for the loading arms will increase the height of the system and create better angles for improved drainage of remaining oil required for vessel disconnect. These modifications will reduce delays and allow vessels to disconnect quicker in the event of an emergency on the Marine Terminal or if weather conditions change rapidly.