

ANNEX 6 - DRAFT TERMS OF REFERENCE FOR ENVIRONMENTAL MONITORING TASK FORCE

To review the current state of Sakhalin Energy's environmental monitoring program, with particular attention devoted to understanding ecological linkages important to western gray whale foraging habitat, and to provide advice and guidance with regard to future environmental monitoring, an Environmental Monitoring Task Force is established with the following terms of reference:

- (1) The task force will consist of several panelists (VanBlaricom [Chair], Dicks, Tsidulko, Weller and possibly others), designated Sakhalin Energy representatives (to be decided by SEIC) and selected experts if and as agreed by the Panel and SEIC.
- (2) In collaboration with IUCN and SEIC, Task Force members (VanBlaricom, Dicks, Tsidulko and possibly others as designated) will conduct a site visit to the Sakhalin II Project Area and environs, including Piltun and Chaivo Lagoons, and to SEIC facilities at which primary environmental data management and analyses occur. The site visit will include observations of habitats and field sampling methods, and meetings with data managers and analysts to discuss methods and approaches. The site visit should take place in September 2008 if feasible.
- (3) Sakhalin Energy will provide the documents needed for the review to IUCN by 1 August 2008 (excepting those provided previously for purposes of consideration at WGAP meetings). The Task Force will also seek relevant background or historical documents written in Russian or Japanese, independently and with assistance from SEIC. IUCN will distribute the documents to the Task Force. The required documentation (additional documents may be identified and requested by Task Force members) consists of the following:
 - Annual reports, and summary reports synthesising data from multiple years, on surveys of benthic biota in the known gray whale feeding areas or nearby areas of the Sakhalin II Project Area;
 - Reports on the following topics:
 - 1) attributes of habitats associated with the whale feeding areas in or near the Sakhalin II Project Area such as:
 - a) benthic sediment grain size distributions and concentrations of organic carbon and contaminants in sediments;

- b) physical and biological oceanographic attributes of the nearshore ocean, including current and upwelling patterns and known seasonal and interannual patterns of water column temperatures and phytoplankton productivity;
 - c) ice conditions and ice movement, including available information on ice grounding and disturbance by ice gouging to benthic habitats.
- 2) ecological attributes of Piltun and Chaivo Lagoons, including but not limited to surveys of benthic biota, surveys of major emergent plant communities, patterns of phytoplankton productivity in the lagoons, and information on patterns of export of phytoplankton, dissolved and particulate organic detritus, and inorganic nutrients known to be important to ocean primary production such as nitrate or phosphate.

The Task Force will complete and distribute a progress report to the GWAP prior to GWAP-5. A Final Task Force Report will be completed and distributed to the GWAP following GWAP-5 but prior to the subsequent GWAP meeting.