

FOX-3, Dewar Lakes

3BC- FOD0919

Water Licence Renewal and Amendment

The North Warning System in Canada is a chain of unmanned radar sites that provides aerospace surveillance, established to detect and allow for an early response to potential threats entering North American air space. It is part of Canada's North American Aerospace Defense Command (NORAD) agreement with the United States, and an essential capability in our efforts to maintain Canada's sovereignty.

Raytheon Canada Limited has the contract with the Department of National Defence to operate and maintain the North Warning System radar site FOX-3, Dewar Lakes. FOX-3 is situated in Nunavut on Baffin Island north of Dewar Lakes. It is located on a hill top, about 518 m above sea level, in an area of general glacial scouring and eskers. The airstrip in the valley is approximately 152 m above sea level. The closest source of support is FOX-M, Hall Beach to the west. Flight time from FOX-M to FOX-3 is 3 hours (including a half hour refueling stop) by helicopter under normal conditions.

FOX-3 is a Long Range Radar Site (LRR) for the North Warning System. FOX-3 is an unmanned site, but it is visited by FOX-M staff on scheduled quarterly preventive and corrective maintenance trips and on an as needed basis. During the months of May to September the site may have an average of 5 to 20 personnel on-site due to seasonal project activity and occasional Third Party visitors.

FOX-3 is one of 11 LRRs of the North Warning System; the LRRs are located across the Yukon, Northwest Territories, Nunavut, and down the Labrador coast. The facilities are remotely monitored and controlled from North Bay on a 24/7 basis. The information they receive is automatically sent to the Canadian Air Defence Sector located at 22 Wing, CFB North Bay over a long-haul satellite communications network.