

## DYE-M, Δ<sup>c</sup> Σ<sup>a</sup> 7 c<sup>b</sup> (Cape Dyer)

**3BC- DYE0919**

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## **English Executive Summary Follows**

**DYE-M, Cape Dyer**  
**3BC- DYE0919**  
**Water Licence Renewal and Amendment**

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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 DYE-M, Cape Dyer. DYE-M is in Nunavut at the extreme eastern edge of Baffin Island. Sheer cliffs of over 610 m are the predominant feature of the site. The site consists of the summit (725 m above sea level) and the lower site on the north side of Sunneshine Fiord. The summit is the location of the radar, site, buildings, and helipad. The lower site is the location of the beach tanks and the abandoned airstrip. The summit and lower site are connected by a road.

DYE-M is 462 km North North East of Iqaluit. The closest source of support is the Logistics Support Site in Iqaluit. Flight time to DYE-M from Iqaluit is 2 hours and 40 minutes under normal conditions.

DYE-M is a Long Range Radar Site (LRR) for the North Warning System. DYE-M is an unmanned site, but it is visited by staff from Iqaluit 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.

DYE-M 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.