

1 Q. Is the development of Muskrat Falls constrained in any way by the perceived future
2 development of Gull Island?

3
4
5 A. The development concept for the Muskrat Falls and Gull Island sites has been
6 refined over many years, and is the result of site investigations and engineering
7 designs for both locations. Since Nalcor intends to develop both Muskrat Falls and
8 Gull Island, the construction sequence and feasibility of both sites must not be
9 adversely affected by a design decision for one location.

10
11 As an example, the optimal locations of the Gull Island dam, powerhouse and other
12 structures have been established after several rounds of investigations. The
13 location for the Gull Island dam constrains the full supply level (FSL) at Muskrat Falls
14 at 39.0 m and the maximum flood level (MFL) at 44.0 m.

15
16 Increasing FSL and MSL at Muskrat Falls would also require design changes to and
17 increased cost for Muskrat Falls, including dam height and length, design of the
18 intake/powerhouse and the spillway structures, a significant enlargement of the
19 control and protection schemes required for the North Spur natural dam, increased
20 reservoir clearing and necessary rerouting of the Trans Labrador Highway due to
21 flooding.

22
23 Since Nalcor's ultimate objective is to develop both Muskrat Falls and Gull Island,
24 Nalcor has established the specifications, design, and construction of both facilities
25 accordingly.