

1 **UNDERTAKING J16.1**

2  
3 **Undertaking**

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5 TO CONFIRM WHETHER PICKERING AND DARLINGTON HAVE ROUGHLY THE  
6 SAME NUMBER OF EMPLOYEES MANAGED BY THE SHIFT MANAGER.  
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11 **Response**

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14 The structure, format, and scope of accountability are the same for the Shift Managers  
15 at Pickering and Darlington. Specific staff numbers will vary between shift crews with  
16 approximately 50 staff reporting directly to a Shift Manager at each of Pickering B and  
17 Darlington (4 unit stations), and 35 staff at Pickering A (2 unit station). The number of  
18 staff reporting to a Shift Manager at Pickering A as compared to Pickering B is not only  
19 tied to the difference in number of units, but also the additional responsibility of  
20 Pickering A staff for common systems that support both plants and surveillance of the  
21 shutdown units. This results in greater and more complex supervisory accountabilities  
22 for OPG Shift Managers in relation to comparable plants in other jurisdictions, where  
23 such oversight is limited to two operating units.  
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25 In addition to the above, and as noted at Tr. Vol. 16, p. 58, lines 18-28, and p. 59, lines  
26 1-7, the CANDU technology at OPG's nuclear generating stations is more complex and  
27 has a greater number of integrated systems and components as compared to  
28 technologies used by comparators in other jurisdictions; for example, CANDU reactors  
29 have up to five times the number of components. As a result, nuclear authorized  
30 operators at OPG have greater responsibilities and complexities in their role. For the  
31 CANDU one OPG authorized nuclear operator monitors or operates: (i) the computer  
32 control systems that regulate and integrate the reactors with the entire plant, and (ii) the  
33 on power refueling systems. For the comparator technology, 3 operators - a Senior  
34 Reactor Operator and two panel operators, are required to carry out a less complex  
35 role. The additional complexity associated with CANDU reactors is also reflected in the  
36 training requirements for authorized operations staff. CANDU authorized operators  
37 typically require up to 36 months training, as compared to other technology comparators  
38 where the training program is between 14 to 16 months.