

1 Q. **Re: Fuel Oil Storage Facility - Refurbishment of Tank 3**

2 With reference to Hydro's response to CA-NLH-4, will all of the 422 person  
3 hours/\$29,540 per year for manual gauging, dipping and reconciliation be avoided  
4 with the proposed installation of the fuel oil indication system?

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7 A. No. There will likely still be a requirement for end of year dipping as witnessed by  
8 Hydro Internal Auditors. This would involve the presence of two auditors and two  
9 operators on the last day of December, each year. Typically gauging will take three  
10 hours to complete and two hours per month will be required to enter the data into  
11 the spreadsheet.

12 Two operators X three hours X one time per year = 6 person-hours

13 Two auditors X three hours X one time per year = 6 person-hours

14 One person X two hours X twelve times per year = 24 person-hours

15 **Total = 36 person-hours per year (at \$70/hr. equates to \$2,520 per year).**

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17 It is anticipated that in-situ instrumentation will require quarterly verification  
18 against a known standard. This should require two technologists for four hours, four  
19 times per year. The spreadsheet would be self populating from the field  
20 instruments.

21 Two technologists X four hours X four times per year = 32 person-hours

22 **Total = 32 person-hours per year (at \$70/hr. equates to \$2,240 per year).**

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24 **Total estimated future cost for tank dipping = \$2,520 + \$2,240 = \$4,760**

25 **Total for tank dipping as exist now = 422 person-hours per year (at \$70/hr.**  
26 **equates to \$29,540 per year).**

27 **Predicted annual reduction in manual gauging costs = \$29,540 – \$4,760 = \$24,780**