

- 1 Q. (a) Provide the annual expenditures on environmental initiatives for the
2 years 1997 to 2000 and forecast for 2001 and 2002 (JCR, Schedule
3 1).
- 4 (b) Provide details on the quantities, concentration levels and location of
5 any PCB's remaining in service or in storage.
- 6 (c) Provide a summary of oil spills, identifying PCB contaminated spills
7 separately, for the period 1992 to 2001.
- 8 (d) Provide any reports on environmental performances for the period
9 1992 to 2001.
- 10
- 11 A. (a) The cost of involvement of internal staff in environmental initiatives is
12 not specifically tracked, since environmental activities are an integral
13 part of normal business. The following table summarizes, however,
14 actual, external expenditures on environmental initiatives from 1997 –
15 2000, and estimates for 2001 and 2002.

Initiative	1997 (\$000)	1998 (\$000)	1999 (\$000)	2000 (\$000)	2001 (\$000)	2002 (\$000)
Reporting	0	11	10	10	50	50
EMS development and maintenance	0	152	70	69	85	85
Effects monitoring and auditing	263	544	386	233	196	145
Site assessment and remediation	1	11	403	853	273	220
Capital initiative and upgrades	129	1,641	1,628	86	117	891
Construction monitoring	283	335	146	201	750	750
Miscellaneous	10	27	15	30	40	40
Grand Total	686	2,721	2,658	1,482	1,511	2,181

- 1 (b) Hydro undertook initiatives in the 1980's and 1990's to significantly
2 reduce risks associated with equipment containing PCBs including:
- 3 • the replacement or decontamination of all equipment manufactured
4 as PCB equipment, such as terminal station capacitors and exciter
5 transformers in generating stations;
 - 6 • the decontamination of oil filled equipment in the transmission
7 system with oil of 450 litres or greater and PCB concentrations of
8 50 parts per million or greater; and,
 - 9 • the decontamination and destruction of all PCB held in our
10 government approved storage facilities to the end of 1998.

11
12 PCB material remaining throughout our system is limited to:

- 13
14 • some components of older equipment and fluorescent light ballast
15 capacitors; and
- 16 • some smaller oil filled equipment containing low concentrations of
17 PCB from cross contamination events.

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19 The numbers and location of this equipment is not certain. We have
20 policies in place to test suspect equipment when servicing is required
21 to ensure that all PCB is captured for safe storage and disposal.

22
23 Currently, there are 67.2 tonnes of material contaminated with PCB
24 located in our only remaining PCB storage facility located at Bishop's
25 Falls. The inventory consists mostly of contaminated soil removed
26 during site remediation at two terminal stations.

1 There are 762 kg. of high-level (> 10,000 parts per million) PCB
2 material located at Bishop's Falls PCB storage facility. Approximately,
3 200 kg. is solid waste, and the remainder is oil.

4 (c) The following table summarizes all documented oil spills that have
5 occurred from 1992 to the present.

Year	Number of Spills	PCB Spills
1992	8	0
1993	7	0
1994	3	0
1995	6	0
1996	3	0
1997	8	0
1998	8	0
1999	8	1
2000	9	0
2001	5	0
TOTAL	65	1

6
7 (d) The following is a list of reports pertaining to Hydro's environmental
8 performance for the period 1992 – 2001:

- 9
- 10 • Environmental Performance Report (2000) (attached);
 - 11 • Annual Air Emissions Report to the Department of Environment
12 (DOE) (1995 – 2000) (attached);
 - 13 • Monthly reports to DOE pertaining to the operation of the Waste
14 Water Treatment Plant (WWTP) Holyrood, and monitoring of
15 ground level concentrations of atmospheric emissions (1992 –
16 present) (attached); from December 1992 through 1994 a separate

1 report on operation of the WWTP was submitted during each
2 month of WWTP operation; from June 1992 through 1994 a
3 separate report on operation of the ambient air monitoring program
4 was submitted in each month; in January 1995 the two separate
5 reports were combined and one combined report was submitted in
6 each month through June 2001; no reports on WWTP operation
7 were submitted for November 1992 and July and August 1994 as
8 the facility did not operate in these months; reports for December
9 1994, October 1998 and November 1998 are not available.

- 10 • Hydro submitted an electronic data report as per National Pollution
11 Release Inventory (NPRI) requirements for the years 1998, 1999
12 and 2000. This information is available on NPRI's web page
13 www.ec.gc.ca/pdb/npri/npri_home_e.cfm;
- 14 • Voluntary Challenge and Registry Inc. (1995, 1998) (attached).