

A F F I D A V I T

of

A. A. SOBANSKI

Re: Pumping Tests

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THE CONSOLIDATED HEARINGS BOARD

IN THE MATTER OF Sections 2 and 3 and 6(3) of the Consolidated Hearings Act, 1981, S.O. 1981, c. 20;

-and-

IN THE MATTER OF Sections 12(2) of the Environmental Assessment Act, R.S.O. 1980, c. 140;

-and-

IN THE MATTER OF Sections 30, 35 and 38 of the Environmental Protection Act, R.S.O. 1980, c. 141, as amended;

-and-

IN THE MATTER OF Sections 24 and 61(2) of the Ontario Water Resources Act, R.S.O. 1980, c. 361, as amended;

-and-

IN THE MATTER OF Section 28(3) of, and Regulation 164 under, the Conservation Authorities Act, R.S.O. 1980, c. 85, as amended;

-and-

IN THE MATTER OF Section 40(12) of the Planning Act, S.O. 1983, c. 1, as amended; in connection with site plan control of the sanitary landfill site;

-and-

IN THE MATTER OF Section 22(1) of the Planning Act, 1983 in connection with a referral to this Board by the Honourable Bernard Grandmaitre, Minister of Municipal Affairs, on a request by the Regional Municipality of Halton to amend the Official Plan for the Town of Milton to redesignate a parcel of land comprising Part Lots 3 and 4, Concession 2 N.S. in the Town of Milton from "Agriculture" and "Conservation and Hazard Lands" to permit the construction, operation and maintenance of a landfill site, Minister's File No. 24-OP-0208-A01;

-and-

IN THE MATTER OF Section 34(11) of the Planning Act, 1983 in connection with an appeal to this Board by the Regional Municipality of Halton for an order directing an amendment to By-law 61-85 of the Town of Milton to rezone the lands situated at Lot 3 and part of Lot 4, Concession 2 N.S., in the Town of Milton from "Agriculture" to permit a regional sanitary landfill site and ancillary uses;

-and-

IN THE MATTER OF Section 15(1) of the Planning Act, R.S.O. 1980 ch. 379 in connection with a referral by the Honourable Claude F. Bennett, Minister of Housing on a request by Tremaine Britannia Citizen's Group for consideration of part of the Official Plan for the Halton planning area with respect to Sections 1 to 5 inclusive, 7, 9 and 10 of Part III D3 Solid Waste Management, Minister's File No. OPC-0026;

-and-

IN THE MATTER OF Section 64 of the Ontario Municipal Board Act, R.S.O. 1980, c. 347, as amended in connection with an application by the Regional Municipality of Halton for an order approving:

- (a) The acquisition of land for the construction, operation and maintenance of a sanitary landfill site to contain 7.96 million cubic metres of waste in the Regional Municipality of Halton and to do so by one of two alternative methods as follows:
 - i) landfilling at the site referred to in Halton's Environmental Assessment as Site F in the City of Burlington;
 - ii) landfilling at the site commonly referred to in Halton's Environmental Assessment as Site D in the Town of Milton.

at an estimated cost of \$12,775,000 and the borrowing of money by way of temporary advances not exceeding in the aggregate such estimated cost pending the sale of debentures, and

- (b) the issuance of necessary debentures to a maximum of \$12,775,000 for a term not to exceed fifteen years;

-and-

IN THE MATTER OF Section 193(5) and paragraph 84 of Section 210 of the Municipal Act, R.S.O. 1980, c. 302, as amended;

-and-

IN THE MATTER OF Sections 6, 7 and 8 of the Expropriations Act, R.S.O. 1980, c. 148;

-and-

IN THE MATTER OF an undertaking of the Regional Municipality of Halton to provide facilities for the purpose of receiving, dumping and disposing of waste as required by section 137 of the REGIONAL MUNICIPALITY OF HALTON ACT, R.S.O. 1980, c. 436, as amended, by acquiring the land for, constructing, operating and maintaining a landfill to contain 7.96 million cubic metres of waste in the Regional Municipality of Halton.

AFFIDAVIT

I, ALFRED ANTHONY SOBANSKI, of the City of Mississauga, in the Regional Municipality of Peel, Senior Hydrogeologist of Trow, Dames & Moore, MAKE OATH AND SAY:

1. Trow, Dames & Moore is a successor company to Trow Hydrology Consultants Limited which is a successor company to Hydrology Consultants. Throughout these changes of name of my employer, I have been responsible for the conduct of hydrogeological studies by my employer for the Regional Municipality of Halton. For convenient reference, I will refer to Trow, Dames & Moore and its predecessor companies as "Trow".

2. I and my staff have diligently searched the files of Trow. The exhibits to this Affidavit constitute all the

available data recorded in connection with the pumping tests conducted by Trow at Sites D and F during 1985 and 1986.

SITE D

Pumping Test #1

3. Pumping test #1 at Site D was conducted in the lower granular unit on the 11th and 12th of December, 1985. The pumping well ("PW-1") was drilled by a cable tool drilling rig at a distance of 3.05 metres to the north-east of HC-4-85 (also referred to in the test as "OW-1"). A new six inch diameter observation well was drilled 9.14 metres south-west of PW-1. Attached and marked as Exhibit "1" to this Affidavit is a sketch which depicts the location of the pumping well and all of the wells which were monitored during the test.

4. PW-1 was pumped for 1,661 minutes at a rate of about one litre per minute from 12:54 p.m. December 11, 1985 to 4:35 p.m. December 12, 1985. Attached and marked as Exhibit "2" to this Affidavit are the original data sheets recording the pumping rate and drawdown at PW-1. Exhibit 2 is in evidence as pages 3 and 4 of Exhibit H-174.

5. Recovery data on PW-1 was collected from 4:35 p.m. on December 12, 1985 to 12:35 a.m. on December 13, 1985, with a single final reading being taken at 8:35 a.m. on December 13th. Attached and marked as Exhibit "3" to this Affidavit is the original recovery data for PW-1. This document is already in evidence as Exhibit H-727, page 1.

6. OW-1 (HC-4-85-2) was monitored for part of the time that PW-1 was pumped. Attached and marked as Exhibit "4" is two pages of drawdown data for OW-1. These pages are already in evidence as pages 5 and 6 of Exhibit H-174. An initial reading was taken in OW-1 at 12:53 and showed a depth to water of 5.795 metres. Readings were taken in OW-1 commencing 10 seconds after the pump was turned on in PW-1. Regular readings were taken from 12:54 p.m. on the 11th of December until 12:53 p.m. on the 12th of December. The final depth to water was 6.750 metres.

7. Recovery data for OW-1 were recorded for eight hours with the reading taken at 480 minutes being a reading taken at 12:35 a.m. on the 13th of December. A single final reading was taken at 8:35 a.m. on the 13th of December. Attached and marked as Exhibit "5" is the recovery data sheet. This document is already in evidence as page 3 of Exhibit H-727. A Theis recovery curve for observation well 1 was prepared and is presented as page 3 of appendix 10 of H-39A. Although this Theis recovery was calculated for the observation well, a typographical error was made and it is misidentified as a recovery curve for "PW-1".

8. Drawdown data is recorded for OW-2 beginning when the pump is turned on at 12:54 p.m. on the 11th of December. The depth to water at that time was 7.410 metres. Attached and marked as Exhibit "6" to this Affidavit are the original data sheets for the drawdown data for OW-2. Photocopies of these data sheets are in evidence as pages 7 and 8 of Exhibit H-174.

It will be seen that the original data sheet is a photocopy with the elapsed time at which readings were expected to be taken recorded thereon. Since the expected elapsed times were not in fact the times when readings were taken, the actual elapsed time is hand written in smaller numbers in the elapsed time Column. I have stroked out the misleading elapsed time numbers on the original data sheet so that the document becomes easier to use. For example, a reading was taken at 2:53 a.m. on the 12th of December, 1985, that is 840 minutes after the pump was turned on. While the data sheet had an elapsed time number of 580, 580 has now been stroked out and the original data sheet carries the elapsed time of 840 minutes. The depth to water at that time was 7.381 metres. The final drawdown reading was taken at 1,620 minutes and the depth to water at that time was 7.356 metres. That reading was taken at 3:53 p.m. on the 12th of December. The pump was turned off at 4:35 p.m.

9. The recovery data for OW-2 were taken for 480 minutes after the pump was turned off. A later, final reading was taken at 8:35 a.m. on the 13th of December. Attached and marked as Exhibit "7" to this Affidavit is a photocopy of the original data sheet. The original data sheet could not be located. Exhibit 7 to this Affidavit is already in evidence as page 2 to Exhibit H-727.

10. During the pumping test of PW-1, the following additional well nests were monitored for possible drawdown:

HC-5-84
HC-2-85
HC-4-84
HC-5-85
MB(1N) OW4
HC-3-85
HC-6-85
HC-8-84

Attached and marked as Exhibit "8" is the original data sheet with the drawdown data recorded for the above-noted well nests. This document is already in evidence as page 4 of Exhibit H-727. 1984 monitoring wells have two piezometers. They are identified on Exhibit 8 as "D" for deep and "S" for shallow. Column three on Exhibit 8 records the time on December 11th when water levels in the various piezometers were measured. Six well nests were measured before pumping commenced but HC-5-84 and HC-2-85 were measured shortly after the pumping was started. Column 6 on Exhibit 8 records the time on December 12th when a second and final reading was taken in each of the wells monitored.

11. Attached and marked as Exhibit "9" to this Affidavit is page 1 of addendum B of Exhibit H-84 which provides data as to the top and bottom of the screen in PW-1 and OW-1.

Pumping Test #2

12. Pumping Test #2 (PW-2) was conducted in a new six inch diameter well which was drilled with a cable-tool drilling rig at a location 3.05 metres north-east of HC-2-85. HC-2-85 was used as an observation well and is also referred to as "OW-1". A second observation well, "OW-2" was also drilled with a cable-

tool drilling rig at a distance of 12.19 metres south-west of the pumping well. Attached and marked as Exhibit "10" to this Affidavit is a sketch denoting the location of the pumping well and all of the wells which were monitored during the pumping test.

13. Pumping commenced at 10:10 a.m. on the 31st of March, 1986 and the pump was operated at a rate of 45.5 litres per minute from that time until 11:05 a.m. on the second of April, 1986. Attached and marked as Exhibit "11" to this Affidavit are the two original data sheets with the drawdown and recovery data for the pumping well. These data sheets are in evidence as pages 10 and 11 of Exhibit H-174. Drawdown data were recorded from the time pumping commenced until the pump was turned off. The depth from measuring point when pumping commenced was 2.37 metres and the depth from measuring point at the end of pumping was 7.60 metres. Recovery data were recorded for 1,230 minutes after pumping stopped. At 580 minutes, the recovery water level was at 4.75 metres below measuring point, and at 1,230 minutes the water had recovered to 4.14 metres below measuring point. A recovery curve for PW-2 was prepared and is in evidence as page 6 of appendix 10 of Exhibit H-39A.

14. Drawdown data, but not recovery data, were recorded at HC-2-85 ("OW-1"). Attached and marked as Exhibit "12" to this Affidavit are the two original data sheets for OW-1. Exhibit 12 is in evidence as pages 12 and 13 of Exhibit H-174. Column 4

records drawdown data in piezometer two, Column 7 records drawdown data in piezometer three, and Column 8 records drawdown data in piezometer one. Drawdown data in piezometer two was taken regularly throughout the 2,945 minutes (49 hours) of the pumping test. Depth to measuring point changed from 2.10 metres at the beginning to 7.19 metres at the end. Drawdown data in piezometers three and one were recorded beginning at 330 minutes and ending at 2,700 minutes. In piezometer three, the depth to water is recorded at 1.83 metres initially and 1.375 metres at 2,700 minutes after pumping began. In piezometer one, the depth to water changed from 1.92 metres at the beginning of pumping to 2.335 metres at the end of pumping.

15. Attached and marked as Exhibit "13" is the drawdown and recovery data recorded in OW-2. These data are in evidence as pages 14 and 15 of Exhibit H-174. Drawdown data in OW-2 were taken from the beginning of pumping until the end of pumping. Although the depth from measuring point is recorded as changing from 3.26 metres to 8.29 metres during the period of the test, it is indicated on Exhibit "13" at the bottom that these levels should read 2.26 metres to 7.29 metres. In my view, it is likely that drawdown data were recorded using a different measuring tape than recovery data and the tape used to record recovery data had been damaged and a metre had been removed from its total length. When a metre is removed from the drawdown data, the initial level at recovery matches the final drawdown

depth of 7.29 metres, as adjusted. Recovery data were recorded from the time the pump was turned off until a final reading was taken on the 7th of April at 9:10 a.m. On the first page of Exhibit 13, recovery data in Columns 9 and 10 constitute intermediate readings taken in between readings recorded in Columns 7 and 8. For example, between the reading in Column 7 at 10 minutes and the reading in Column 8 at 15.5 minutes, readings were taken in Column 9 at 12.5 minutes and at 13.5 minutes.

16. Drawdown data and recovery data are recorded in Comcor well OW-2 which is identified during the pump test as "OW-3". Attached and marked as Exhibit "14" to this Affidavit are the drawdown data for OW-3. Drawdown data were recorded regularly from the beginning of pumping until the end of pumping. The initial depth to water was 1.92 metres and there was no change until after 100 minutes of pumping. The final depth from measuring point is recorded as 3.55 metres. Exhibit 14 is in evidence as page 16 to Exhibit H-174.

17. Recovery data were also taken for OW-3. Attached and marked as Exhibit "15" to this Affidavit is the recovery data for OW-3, these data were not previously entered in evidence. Recovery data were taken from the time the pump was turned off until 9:00 a.m. on the 7th of April, 1986.

18. Drawdown and recovery data were recorded in HC-2-86, piezometer two. This well was identified during the pumping test

as "OW-4". Attached and marked as Exhibit "16" to this Affidavit are the drawdown and recovery data for OW-4, in evidence as p. 10 of Exhibit H-727. Although this document carries an identification "HC-6-86" at the top, this is a misidentification and the recovery data is for HC-2-86-2, also known as OW-4. Since the data on this document are difficult to understand, it has been reorganized below:

<u>DATE</u>	<u>TIME</u>	<u>ELAPSED TIME</u>	<u>DEPTH FROM MP</u>
Mar. 31	12:35		3.635m
Mar. 31	3:00	300	3.635m
Mar. 31		465	3.635m
Mar. 31		690	3.640m
Apr. 1		1060	3.62m
Apr. 2	9:30	2840	3.705m
Apr. 2	9:50	2900	3.710m
Apr. 2	14:20		3.72m
Apr. 2	21:10		3.75m
Apr. 3	8:10		3.765m
Apr. 3	10:20		3.762m
Apr. 3	13:30		3.762m
Apr. 4	9:35		3.782m
Apr. 7	9:35		3.772m
Apr. 10	9:10		3.760m
Apr. 15			3.730m

19. The only drawdown data for HC-3-86-2 are recorded from 17:50 on the 1st of April (1,900 minutes after pumping began) until 8:50 on the 2nd of April (2,800 minutes after pumping began). Attached and marked as Exhibit "17" to this Affidavit are the drawdown data for HC-3-86-2. The initial depth to measuring point was 2.285 metres and the final depth was 2.275 metres. The data for HC-3-86-2 are recorded in Column 8 on Exhibit 17. Exhibit 17 also carries data for OW-1, OW-2 and OW-3. Exhibit 17 is in evidence as page 9 of Exhibit H-727.

20. Drawdown data for MB(1N)OW4 were taken on the 1st and 2nd of April, 1986. Attached and marked as Exhibit "18" to this Affidavit are the drawdown data for this well. These data are in evidence as page 11 of Exhibit H-727.

21. Exhibit 18 also has data for MB(1N)OW3. It would appear that one reading was taken in MB(1N)OW3 at 9:10 and a level recorded at 3.44 metres. The reading on Exhibit 18 taken at 9:10 and recorded as 2.275 metres for HC-10-86 is in fact a reading for HC-3-86-2. The readings of 3.705 and 3.710 metres for "6-86" are in fact readings for OW-4 and these readings were transposed and can be found on Exhibit 16. Attached and marked as Exhibit "19" to this Affidavit is a data sheet which also contains some data for MB(1N)OW3 taken at 11:00 a.m. on the 2nd of April, 1986. There are no base line data for MB(1N)OW3.

22. The first half of Exhibit 19, which is in evidence as page 14 of Exhibit H-727 has drawdown data for HC-3-84. Depth

from measuring point in the deep piezometer changed from 3.16 metres to 3.225 metres. Early and late measurements in the shallow piezometer were both 1.26 metres with changes to 1.28, 1.25 and 1.24 metres recorded during pumping.

23. During pumping test #2, water levels in pumping well #1 (PW-1) and the observation well #2 to PW-1, both in close proximity to HC-4-85, were also monitored. Attached and marked as Exhibit "20" to this Affidavit is a data sheet entitled "HC-4-85". This data sheet, which is in evidence as page 13 of Exhibit H-727 has water level data for a "north" well being observation well #2 to pumping test #1, and "south" being the pumping well for pump test #1. I believe that the handwriting of the word "plugged" on Exhibit 20 is that of Mr. Beechinor.

24. Drawdown and recovery data were recorded for the deep and shallow piezometers at HC-5-84. Attached and marked as Exhibit "21" to this Affidavit is the original data sheet for this well. This data sheet is already in evidence as page 12 of Exhibit H-727.

SITE F

Pumping Test #1

25. Pumping test #1 ("PW-1") was conducted in a new six-inch diameter well drilled by air triconing in a location approximately 19 metres east of MB-13. PW-1 is also identified in the documentation as TW-1. A photocopy of a sketch showing the location of the pumping well and the observation wells is

attached and marked as Exhibit "22" to this Affidavit. All distances recorded on this sketch are distances from the observation wells to the pumping well. For example, the distance from HC-8 to the pumping well is 460 metres and not a greater length as may be suggested by the way in which lines are drawn on Exhibit 22. Exhibit 22 is in evidence as page 1 from addendum I to Exhibit H-34. Attached and marked as Exhibit "23" to this Affidavit are drawdown and recovery data for the pumping well PW-1. Exhibit 23 is in evidence as pages 1 through 4 of Exhibit H-676. PW-1 was pumped from 11:30 a.m. on March 12, 1986 to 1:00 p.m. on March 13, 1986. The pumping rate is recorded on Exhibit 23.

26. During the pumping of PW-1, observations were taken in an observation well drilled for the occasion and variously identified as TW-2 and OW-1. Attached and marked as Exhibit "24" to this Affidavit are the original data sheets for drawdown and recovery data in TW-2, being observation well #1. These data sheets are in evidence as pages 5, 6 and 7 of Exhibit H-676.

27. Attached and marked as Exhibit "25" to this Affidavit are the data sheets for the drawdown and recovery data in WAT 7-1. These data sheets are in evidence as pages 8 and 9 of Exhibit H-676.

28. Attached and marked as Exhibit "26" to this Affidavit are the original data sheets for WAT 7, piezometer 2. These

documents are already in evidence as pages 10 and 11 of Exhibit H-676.

29. Attached and marked as Exhibit "27" to this Affidavit are the original data sheets for drawdown and recovery data recorded at WAT7-3. These documents are in evidence as pages 12 and 13 of Exhibit H-676.

30. Attached and marked as Exhibit "28" to this Affidavit are the data sheets for drawdown and recovery data in WAT 7-4. These documents are in evidence as pages 14 and 15 of Exhibit H-676.

31. Attached and marked as Exhibit "29" to this Affidavit are the data sheets recording drawdown and recovery data in WAT 7-5. These documents are in evidence as pages 16 and 17 of Exhibit H-676.

32. Attached and marked as Exhibit "30" to this Affidavit are the data sheets recording drawdown and recovery data for WAT 7-6. These documents are in evidence as pages 18 and 19 of Exhibit H-676.

33. Attached and marked as Exhibit "31" to this Affidavit are the drawdown and recovery data sheets for WAT 7-7, already in evidence as pages 20 and 21 of Exhibit H-676.

34. Attached and marked as Exhibit "32" to this Affidavit are the drawdown and recovery data sheets for WAT 7-8, in evidence as pages 22 and 23 of Exhibit H-676.

35. Attached and marked as Exhibit "33" to this Affidavit are the drawdown and recovery data sheets for WAT 7-9, in evidence as pages 24 and 25 of Exhibit H-676.

36. Attached and marked as Exhibit "34" to this Affidavit are the drawdown and recovery data sheets for WAT 7-10, in evidence as pages 26 and 27 of Exhibit H-676.

37. Attached and marked as Exhibit "35" to this Affidavit are the drawdown and recovery data sheets for WAT 7-11, in evidence as pages 28 and 29 of Exhibit H-676.

38. Attached and marked as Exhibit "36" to this Affidavit are the drawdown and recovery data sheets for WAT 7-12, in evidence as pages 30 and 31 of Exhibit H-676.

39. Attached and marked as Exhibit "37" to this Affidavit are the drawdown and recovery data sheets for MB-17-1, in evidence as pages 32 and 33 of Exhibit H-676.

40. Attached and marked as Exhibit "38" to this Affidavit are the drawdown and recovery data sheets for MB-17, piezometer #2. These documents are in evidence as pages 34 and 35 of Exhibit H-676.

41. Attached and marked as Exhibit "39" to this Affidavit are the drawdown and recovery data sheets for MB-17-3, in evidence as pages 36 and 37 of Exhibit H-676.

42. Attached and marked as Exhibit "40" to this Affidavit are the drawdown and recovery data sheets for MB-13-1, in evidence as pages 38 and 39 of Exhibit H-676.

43. Attached and marked as Exhibit "41" to this Affidavit are the drawdown and recovery data sheets for MB-13, piezometer #2. These documents are in evidence as pages 40, 41 and 42 of Exhibit H-676.

44. Attached and marked as Exhibit "42" to this Affidavit are the drawdown and recovery data sheets for MB-13-3, in evidence as pages 43, 44 and 45 of Exhibit H-676.

45. Attached and marked as Exhibit "43" to this Affidavit are the drawdown and recovery data sheets for HC-8-85-1, in evidence as pages 46 and 47 of Exhibit H-676.

46. Attached and marked as Exhibit "44" to this Affidavit are the drawdown and recovery data sheets for HC-8-85-2, in evidence as pages 48 and 49 of Exhibit H-676.

47. Attached and marked as Exhibit "45" to this Affidavit are the drawdown and recovery data sheets for HC-8-85-3, in evidence as pages 50 and 51 of Exhibit H-676.

48. Attached and marked as Exhibit "46" to this Affidavit are the drawdown and recovery data sheets for HC-8-85, piezometer #4, in evidence as pages 52 and 53 of Exhibit H-676.

49. Attached and marked as Exhibit "47" to this Affidavit are the drawdown and recovery data sheets for MB-16-1, in evidence as pages 54 and 55 of Exhibit H-676.

50. Attached and marked as Exhibit "48" to this Affidavit are the drawdown and recovery data sheets for MB-16-2, in evidence as pages 56 and 57 of Exhibit H-676.

51. Attached and marked as Exhibit "49" to this Affidavit are the drawdown and recovery data sheets for MB-16-3, in evidence as pages 58 and 59 of Exhibit H-676.

52. Attached and marked as Exhibit "50" to this Affidavit are the drawdown and recovery data sheets for MB-12-1, in evidence as pages 60 and 61 of Exhibit H-676.

53. Attached and marked as Exhibit "51" to this Affidavit are the drawdown and recovery data sheets for MB-12-2, in evidence as pages 62 and 63 of Exhibit H-676.

54. Attached and marked as Exhibit "52" to this Affidavit are the drawdown and recovery data sheets for MB-12-3, in evidence as pages 64 and 65 of Exhibit H-676.

55. Attached and marked as Exhibit "53" to this Affidavit are the drawdown and recovery data sheets for HC-9-85, piezometer #1, in evidence as pages 66 and 67 of Exhibit H-676.

56. Attached and marked as Exhibit "54" to this Affidavit are the drawdown and recovery data sheets for HC-9-85, piezometer #2, in evidence as pages 68 and 69 of Exhibit H-676.

57. Attached and marked as Exhibit "55" to this Affidavit are the drawdown and recovery data sheets for HC-9-85, piezometer #3, in evidence as pages 70 and 71 of Exhibit H-676.

58. Attached and marked as Exhibit "56" to this Affidavit are the drawdown and recovery data sheets for HC-9-85, piezometer #4, in evidence as pages 72 and 73 of Exhibit H-676.

Pumping test #2

59. A new six inch diameter pumping well, variously labelled PW-2 and TW-5, was drilled using an air triconing rig. Attached and marked as Exhibit "57" to this Affidavit is a photocopy of page 2 from addendum I to Exhibit H-84 showing the location of PW-2, being approximately 14 metres south of HC-3-85.

60. Attached and marked as Exhibit "58" to this Affidavit are the drawdown and recovery data for PW-2. These documents are in evidence as pages 74 through 77 of Exhibit H-676.

61. Attached and marked as Exhibit "59" to this Affidavit are the drawdown and recovery data in observation well #1, also known as TW-6. These documents are in evidence as pages 78 through 81 of Exhibit H-676.

62. Attached and marked as Exhibit "60" to this Affidavit are the drawdown and recovery data in monitoring well HC-3-85, piezometer 1. These documents are already in evidence as pages 82 and 83 of Exhibit H-676. They are also in evidence as Exhibit H-671.

63. Attached and marked as Exhibit "61" to this Affidavit are the drawdown and recovery data for HC-3-B, being piezometer #2. These data are already in evidence as pages 84 through 87 of Exhibit H-676.

64. Attached and marked as Exhibit "62" to this Affidavit are the drawdown and recovery data for HC-3-C, being piezometer

#3. These data are in evidence as pages 88 through 91 of Exhibit H-676.

65. Attached and marked as Exhibit "63" to this Affidavit are the drawdown and recovery data for HC-3-85-D, being piezometer #4. These data are in evidence as pages 92 and 93 of Exhibit H-676.

66. Attached and marked as Exhibit "64" to this Affidavit are the drawdown and recovery data for HC-3-85-E, being piezometer #5. These data are in evidence as pages 94 and 95 of Exhibit H-676.

67. Attached and marked as Exhibit "65" to this Affidavit are the drawdown and recovery data for HC-4-85, piezometers 1-4. These data are in evidence as pages 96 and 97 of Exhibit H-676.

68. Attached and marked as Exhibit "66" to this Affidavit are the drawdown and recovery data for HC-5-85, piezometers 1-4. These data are already in evidence as pages 98 and 99 of Exhibit H-676.

Pumping Test #3

69. Pumping test #3 (PW-3) occurred after pumping test #4 (PW-4). Attached and marked as Exhibit "67" to this Affidavit is a photocopy of page 3 of addendum I of Exhibit H-84 showing the location of PW-3 (TW-3/86) and PW-4 (OW-3-86, TW-4/86). TW-3 and TW-4 are six-inch diameter wells drilled with an air triconing drilling rig. TW-4 (PW-4) was pumped on the 24th and again on the 25th of March. Pumping was then discontinued at

TW-4 and TW-3 (PW-3) was pumped on March 26, 1986. PW-3 was pumped at a rate of about 1.8 litres per minute for 420 minutes beginning at 9:05 a.m. on the 26th of March, 1986 and continuing until 4:05 p.m. that day.

70. Attached and marked as Exhibit "68" to this Affidavit are the drawdown and recovery data for TW-3 (PW-3). This data is in evidence as pages 100 to 103 of Exhibit H-676.

71. Attached and marked as Exhibit "69" to this Affidavit are the drawdown and recovery data recorded in WAT 5, piezometer #1. These documents are in evidence as pages 104 through 107 of Exhibit H-676.

72. Attached and marked as Exhibit "70" to this Affidavit are the drawdown and recovery data for WAT 5, piezometer #2. These data are in evidence as pages 108 through 111 of Exhibit H-676.

73. Attached and marked as Exhibit "71" to this Affidavit are the drawdown and recovery data recorded in piezometers 3 through 12 of WAT 5. These data are in evidence as page 112 of Exhibit H-676. Exhibit 71 carries drawdown and recovery data for both pumping test #4 at TW-4 and pumping test #3 at PW-3. Pumping test #4 at TW-4 was in fact two tests. The first test was conducted on the 24th of March, 1986 from 12:00 noon until 6:00 p.m. The second test was conducted on the 25th of March, 1986 from 8:20 a.m. until 10:20 p.m. Exhibit 71 being page 112 of Exhibit H-676 has readings at WAT 5 piezometres 3 through 12

beginning at 7:30 a.m. on the 25th of March. Pumping test #4 began at 8:20 a.m. and the first readings after the test began were taken in WAT 5 at 9:20 a.m. The final reading on the 25th of March was taken at 4:20 p.m. and in piezometer 3 it shows a level of 2.61 metres. On the 26th of March, a reading was taken in piezometers 3 through 12 of WAT 5 at 8:30 a.m. Pumping test #3 at PW-3 was commenced at 9:05 a.m. and the first readings taken in WAT 5 after the test began were at 11:10 a.m. Pumping of PW-3 stopped shortly after 4:00 p.m. on the 26th of March. Readings were taken in piezometers 3 through 12 of WAT 5 at 5:20 and again at 7:00. All of these data are recorded in Exhibit 71 and page 112 of Exhibit H-676. The writing in the horizontal Column marked "effect" on Exhibit 71 and page 112 of Exhibit H-676, is mine.

74. Attached and marked as Exhibit "72" to this Affidavit are drawdown and recovery data recorded at WAT 5, piezometers 3 through 12. These data are in evidence as pages 194 and 195 of Exhibit H-676A. These data relate to readings taken during the pump test at PW-4 as well as the pump tests at PW-3. In Column 2, there are readings taken on the 24th of March between 10:07 and 10:30 a.m. In Column 3, further readings were taken on the 24th of March between 10:45 and 11:05 a.m. In Column 4, there are readings taken on the 26th of March prior to the commencement of pumping test #3 at PW-3, that is readings taken between 7:45 and 8:15 a.m. In Column 5, further readings were taken on the

26th of March, before pumping, between 8:50 and 8:57. Further readings, recorded in Column 6, were taken on the 26th of March between 10:12 and 10:18 a.m. These readings, in piezometers 3, 4 and 5, supplement data that is recorded on Exhibit 71, also being page 112 of Exhibit H-676. For example, in piezometer 3 the reading between 10:12 and 10:18 is 2.58, and the reading at 11:10 is at 2.58. In piezometer 4, the reading between 10:12 and 10:18 is at 3.38, and at 11:10 it is at 3.39. In piezometer 5, the reading taken between 10:12 and 10:18 is 4.12, and the reading was still 4.12 when taken at 11:10 a.m.

75. Attached and marked as Exhibit "73" to this Affidavit are the drawdown and recovery data recorded in WAT 3, piezometers 1 through 12. These data are in evidence as pages 196, 197 and 198 of Exhibit H-676A. Readings recorded on page 197 of Exhibit H-676A were taken on the 24th and 25th of March and are related to pumping of PW-4 rather than PW-3. Data recorded on page 198 of Exhibit H-676A, relates to the two pumping tests that constitute PW-4 and the pumping test that constitutes PW-3. For convenience, I have re-numbered the Columns of this document. Column 1 identifies date, time and the fact that readings were taken in piezometers 1 through 12 of WAT3, piezometers 1 through 3 of MB-11, and piezometers A through M of WAT 6. Column 2 constitutes readings taken on the 24th of March and these readings relate to the first pumping test at PW-4 (TW-4). Columns 3, 4, 5, 6 and 7 constitute readings taken on the 25th

of March, 1986 during the second day of pumping at PW-4 (TW-4). Columns 8, 9 and 10 constitute readings taken on the 26th of March during pump test #3 at PW-3.

76. Attached and marked as Exhibit "74" to this Affidavit are the drawdown and recovery data recorded in WAT 6, piezometers A through M. These documents are in evidence as pages 199 and 200 of Exhibit H-676A. Column 2 constitutes data recorded on the 24th of March during the first day of pumping at PW-4 (TW-4). Data in Column 3 are data taken prior to pumping of PW-3 on the 26th of March, 1983. Data in Column 4 is a single reading in piezometer C taken just before pumping commenced on the 26th of March, 1986. Also attached and marked as Exhibit "75" to this Affidavit is a photocopy of Exhibit N-764 which summarizes some of the drawdown data taken during pumping test #3 at PW-3/86. This document was prepared in our office.

77. Attached and marked as Exhibit "76" to this Affidavit is a cover page for data collected in MB-11, piezometers 1 to 3. Page 198 of Exhibit H-676A, already in evidence in this exhibit as Exhibit 73, records all available data at MB-11.

Pumping Test #4

78. As previously indicated, pumping test #4 was conducted at TW-4 on the 24th of March and again on the 25th of March. Attached and marked as Exhibit "77" to this Affidavit is a copy of Exhibit N-766. This document records some of the drawdown

data taken during the pumping tests at PW-4 (TW-4). This document was prepared in our office.

79. Attached and marked as Exhibit "78" to this Affidavit are the drawdown data in pumping well TW-4 taken on the 24th of March, 1986. These data are in evidence as pages 113 through 115 of Exhibit H-676.

80. Attached and marked as Exhibit "79" to this Affidavit are the drawdown and recovery data at PW-4 taken during pumping on the 25th of March, 1986. These data are in evidence as pages 122 and 123 of Exhibit H-676.

81. Attached and marked as Exhibit "80" to this Affidavit are the drawdown data taken at TW-3 (later PW-3) on the 24th of March, 1986. These data were already in evidence as pages 116 and 117 of Exhibit H-676.

82. Attached and marked as Exhibit "81" to this Affidavit are the drawdown data taken at WAT 5, piezometer #1 on the 24th of March, 1986. These data were already in evidence as pages 118 and 119 of Exhibit H-676.

83. Attached and marked as Exhibit "82" to this Affidavit are the drawdown data recorded at WAT 5, piezometer 2 on the 24th of March, 1986. These data were already in evidence as pages 120 and 121 of Exhibit H-676.

84. Attached and marked as Exhibit "83" to this Affidavit are the drawdown data recorded in TW-3 (PW-3) on the 25th of March and also drawdown data recorded at WAT 5 on the 25th of

March, both sets of data being taken on the 2nd day of pumping at PW-4. These data are in evidence as pages 124 and 125 of Exhibit H-676. Data recorded on page 124 of Exhibit H-676 are for the pumping well, observation well #1, being TW-3 (PW-3), and WAT 5. For convenience, the Columns are labelled A through G on pages 124 and 125, being Exhibit 83 to this Affidavit. Column A records a reading in the pumping well at 2:20 of 5 metres. Column B records three readings in observation well #1 between 2:20 and 2:25 (1425) at 2.337, and 2.323. Column C records readings in WAT 5 taken at 14.28. Between the recordings at Column C and Column D, there are data recorded by the pump operator which evidences changes in the pumping rate and additional measurements on the pumping well. At 15:15, the pumping well level was at 5.05. At 16:56 the water level in the pumping well was at 5.390. Column D records an additional reading at OW-1 at 17:34, of 2.325 metres. Column E records a new set of readings at WAT 5. Piezometers 1 through 5 were read after 17:37, piezometers 6 through 10 were read after 17:45, piezometers 11 and 12 were read after 17:56, and piezometer 13 was read at 17:57. On page 125, Column F records double sets of data at 18:28 and 19:20 for OW-1. I believe that the top numbers, being 2.325, 2.33, 2.32, and 2.335 are the correct readings and that the numbers recorded of 2.235 and 2.23 are someone's interpretation of pencil recordings and are incorrect. Column G records two final sets of reading at WAT 5, one set of

readings commencing at 18:29 and finishing at 18:47, and another set of readings after 19:20.

85. Page 12 of Appendix 10 of H-40A presents a Jacob drawdown curve for PW-4, pumping test #4. Page 12 is mislabelled "Pumping Test No. 3"; it should read Pumping Test #4 and "Pumping Well OW-3-86" should read TW-4-86. Where page 12 reads "OW-3-86: 101.2-121.4 m.a.s.l.", it should read "TW4-86: 128.65-121.38 m.a.s.l."

SWORN before me at the City)
of Toronto in the Municipality)
of Metropolitan Toronto, on)
May 2 , 1988.)


ALFRED ANTHONY SOBANSKI


Commissioner for Taking Affidavits

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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This is Exhibit 1 mentioned and

referred to in the affidavit of

A. A. Sahasrabudhe

Sworn before me this 2nd day of

May A.D., 1988

A Commissioner, etc.

MB(N)OW4



580m

OW2

OW1 (HC4-85)

PW1

$\phi - 9.14m - \phi - 3.05m$

610m

HC3-85



490m

HC6-85



180m

HC5-85



450m

HC8-84



250m

HC5-84



HC2-85



250m

HC4-84



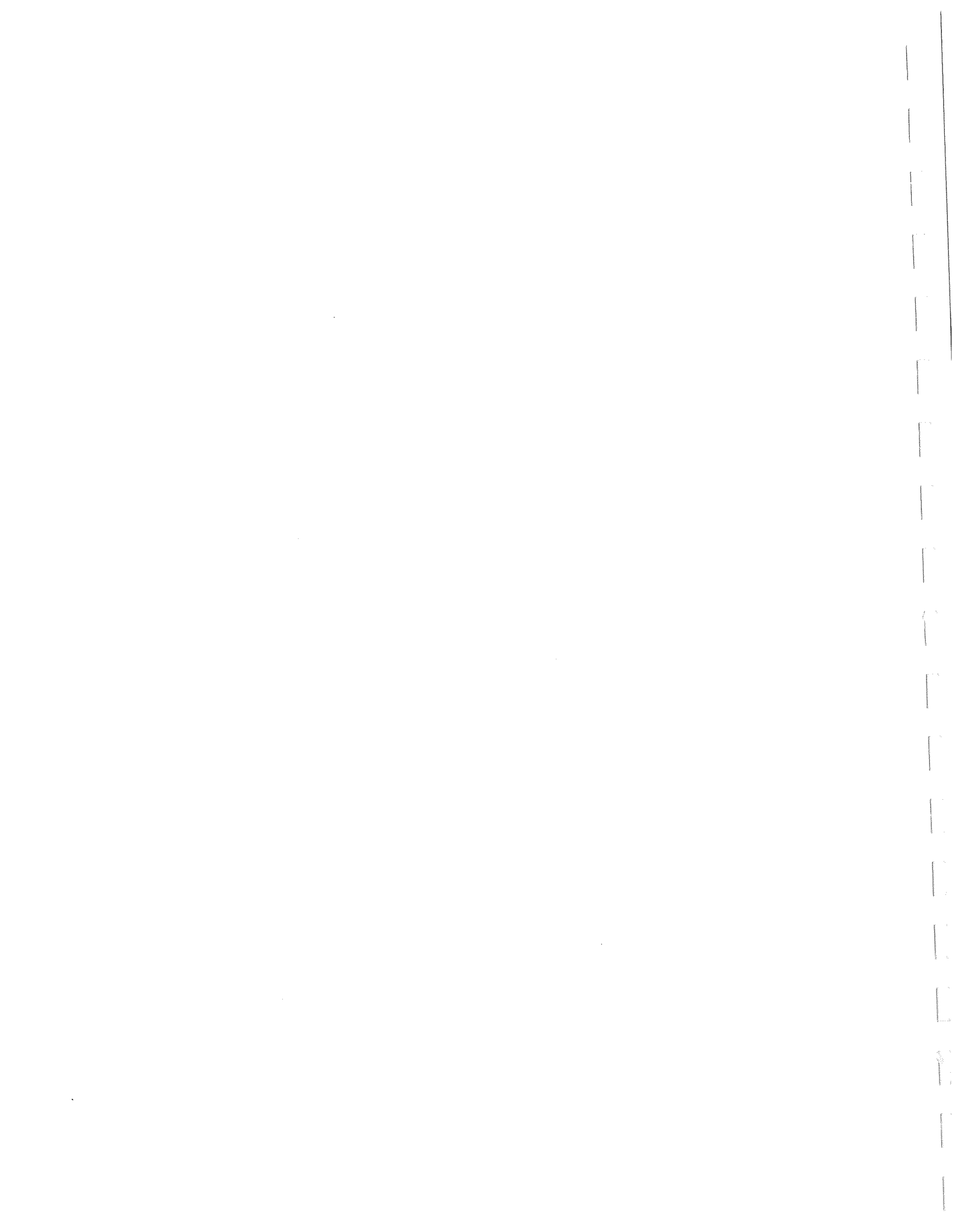
PUMPING TEST No. 1 - PW1

SITE - D



NOTE: Not to Scale.

Distances are measured to the pumping well





This is Exhibit 5 mentioned and

referred to in the affidavit of A. A. Solonari

Sworn before me this 2nd day of

DRAWDOWN

May A.D., 1988

Exhibit H-174 p.3.
HYDROLOGY CONSULTANTS

PW2

GAUGE HOLE RECORD FOR PUMPED WELL NO. 1 GAUGE HOLE

Municipality Milton Site D Project No. T660044 Date Dec. 11/85

Distance from Pumped Well 0' Static Level 5.86 G.L. Elevation

Gauge Hole Type: Test Well Producing Well Depth from Ground Level 5.15

Screened Unscreened Rock

Height Measuring Point Above General Ground Level 5.86

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)		Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)
1254	0		0	144	50	8.68	2.82
125430	0.5	5.97	.01	149	55	8.81	2.95
1255	1.0	6.09	.23	154	60	8.91	3.05
125530	1.5	6.27	.41	214	80	8.94	3.08
1256	2.0	6.44	.58	234	100	9.05	3.19
125630	2.5	6.59	.73	234	120	9.17	3.31
1257	3.0	6.70	.84	354	180	9.39	3.53
125730	3.5	6.82	.96	454	240	9.54	3.68
1258	4.0	6.90	1.04	554	300	10.02	4.16
125830	4.5	6.96	1.1	654	360	10.24	4.38
1259	5.0	7.00	1.14	754	420	10.35	4.49
1051	10.0	7.16	1.3	854	480	11.37	5.51
110	15.0	7.31	1.45	954	540	11.43	5.57
1141	20.0	7.52	1.68	1054	600	11.07	5.21
119	25.0	7.71	1.85	1154	660	10.79	4.93
1211	30.0	7.87	2.01	1254	720	10.64	4.78
129	35.0	8.10	2.24	154	780	12.46	6.6
1341	40.0	8.32	2.46	254	840	12.18	6.32
139	45.0	8.53	2.67	354	900	12.10	0.220/m

Pumping Rate = L/min.

CS3-1913

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11

25 9/11



DRAWDOWN

Exhibit H-174 p.4

GAUGE HOLE RECORD FOR PUMPED WELL NO. _____ GAUGE HOLE _____

Municipality Milton Site D Project No. T6600HY Date Dec 11/85Distance from Pumped Well 0 Static Level _____ G.L. Elevation _____

Gauge Hole Type: Test Well _____ Producing Well _____ Depth from Ground Level _____

Screened _____ Unscreened _____ Rock _____

Height Measuring Point Above General Ground Level _____

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)		Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)
4 ⁵⁴	1260	12.42					
5 ⁵⁴	1020	12.57					
6 ⁵⁴	1080	12.65					
7 ⁵⁴	1140	12.71					
8 ⁵⁴	1200	12.680					
9 ⁵⁴	1260	12.610					
10 ⁵⁴	1320	12.610					
11 ⁵⁴	1380	12.615					
12 ⁵⁴	1440	12.615					
1 ⁵⁴	1500	12.615					
2 ⁵⁴	1560	12.645					
3 ⁵⁴	1620	12.650					
4 ⁵⁴	1680						
5 ⁵⁴	1740						
6 ⁵⁴	1800						

Pumping Rate = _____ L/min.



referred to in the affidavit of



A.A. Solonari

PW1 - RECOVERY

HYDROLOGY CONSULTANTS

Sworn before me this 2nd day of DRAWDOWN

May

A.D., 1985

SITE D

PUMPING TEST No. 1

RECOVERY DATA FOR PUMPED WELL PW1

GAUGE HOLE RECORD FOR PUMPED WELL NO. 1 GAUGE HOLEMunicipality Milton Site D Project No. TL600H4 Date Dec 12/85Distance from Pumped Well 0 Static Level _____ G.L. Elevation _____

Gauge Hole Type: Test Well _____ Producing Well _____ Depth from Ground Level _____

Screened _____ Unscreened _____ Rock _____

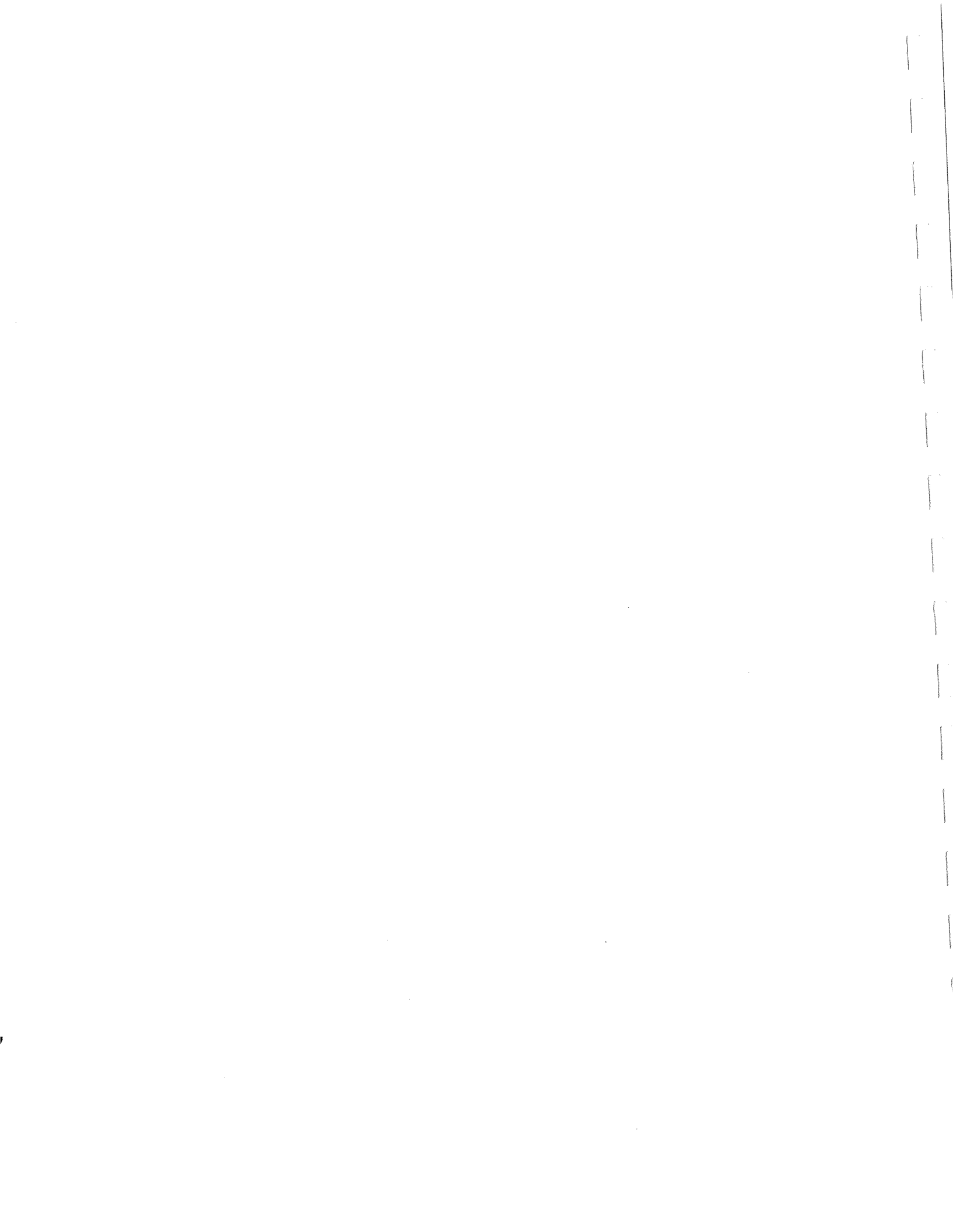
Height Measuring Point Above General Ground Level _____

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)		Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)
4:35	0	12.60		525	50	9.46	
4:35:30	.5	11.79		530	55	9.28	
4:36	1	11.61		535	60	9.11	
4:36:30	1.5	11.59		555	80	8.51	
4:37	2	11.55		615	100	8.11	
4:37:30	2.5	11.515		635	120	7.69	
4:38	3	11.49		735	180	6.87	
4:38:30	3.5	11.47		835	240	6.38	
4:39	4	11.445		935	300	6.10	
4:39:30	4.5	11.42		1035	360	5.92	
4:40	5	11.395		1135	420	5.80	
4:45	10	11.13	5.	1235 AM	480	5.75	
4:50	15	10.90			FIN		
4:55	20	10.68		8:35 AM		5.73	
5:00	25	10.44					
5:05	30	10.21					
5:10	35	9.99					
5:15	40	9.82					
5:20	45	9.64					

Pumping Rate = _____ L/min.

HC-485 #3 2.50

HC-4-85 #1 PIPE FROZEN NO ACCESS



referred to in the affidavit of

HYDROLOGY CONSULTANTS

DW1



A.A. Sabanali

Exhibit H-174 p-5

before me this 2nd day of DRAWDOWN

May A.D., 1988

HC 4-85-2

GAUGE HOLE RECORD FOR PUMPED WELL NO. 021 GAUGE HOLE 32mm 114"

Municipality Milton Site D Project No. T660047 Date Dec 11/85Distance from Pumped Well 3.05m (10') Static Level _____ G.L. Elevation _____

Gauge Hole Type: Test Well _____ Producing Well _____ Depth from Ground Level _____

Screened _____ Unscreened _____ Rock _____

Height Measuring Point Above General Ground Level 5.79

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)		Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)
12:58	0	5.785	0		6	5.840	.045
	0m 10sec	—	0		7	5.850	.055
	0m 20sec	—	0		8	5.8575	.0625
	0m 30sec	—	0		9	5.8650	.07
	0m 40sec	—	0		10	5.8725	.0775
	0m 50sec	—	0		11	5.8800	.085
	1m	5.800	.005 ✓		12	5.8900	—
	1m 10s	5.805	.01	1:01	13	5.9000	.105
	1m 20s	✓	"	1:07	14	5.9025	
	1m 30s	—	"	1:08	15	5.9075	
	1m 40s	—	"	1:13	20	5.9350	.014
	1m 50s	—	"	1:18	25	5.9600	.165
	2m	5.81	.015	1:23	30	5.9850	.017
	2.5m	—	"	1:23	35	6.0100	.0215
	3m	5.815	.02	1:33	40	6.0350	.024
	3.5m	5.82	.025	1:38	45	6.0600	.0265
	4m	5.825	.03	1:43	50	6.0825	.029
	4.5m	—	"	1:53	60	6.1200	.325
	5m	5.830	.035	2:03	70	6.145	.035

Pumping Rate = _____ L/min.

DRAWDOWN

HC-4-84-2

GAUGE HOLE RECORD FOR PUMPED WELL NO CWA GAUGE HOLE 32 mm (1 1/4")Municipality Milton Site D Project No. TC60044 Date Dec 11/85Distance from Pumped Well 3.05m (10') Static Level _____ G.L. Elevation _____Gauge Hole Type: Test Well _____ Producing Well _____ Depth from Ground Level 5.02Screened _____ Unscreened 7 Rock 2Height Measuring Point Above General Ground Level 5.88

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)		Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)
2:13	80	6.155	0.36		3:53	6.655	0.855
2:23	90	6.165	0.37		4:53	6.695	0.9
2:33	100	6.170	0.375		5:53	6.720	0.925
3:03	130	6.190	0.395		6:53	6.730	0.935
3:33	160	6.240	0.445		7:53	6.745	0.95
4:03	190	6.250	0.455		8:53	6.755	0.96
4:33	220	6.260	0.465		9:53	6.750	0.955
5:03	250	6.300	0.505		10:53	6.750	0.955
5:33	280	6.310	0.515		11:53	6.750	
5:53	300	6.330	0.535		12:53	6.750	
6:53	6h.	6.380	0.585				
7:53	7	6.395	0.60				
8:53	8	6.50	0.705				
9:53	9	6.56	0.765				
10:53	10	6.53	0.735				
11:53	11	6.49	0.695				
12:53	12:00	6.45	0.655				
1:53	13	6.64	0.845				
2:53	14 (2:00)	6.6155	0.86				

Pumping Rate = _____ L/min.

Page 2 of _____

	DS4	
CW3	2.56	GL
CW1	5.54	1.69
		4.87



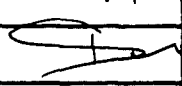
DRAWDOWN

Exhibit H-527-p.3.

GAUGE HOLE RECORD FOR PUMPED WELL NO. AWA GAUGE HOLEMunicipality Milken Site D Project No. 160044 Date Dec 12Distance from Pumped Well 10' Static Level _____ G.L. Elevation _____Gauge Hole Type: Test Well A Producing Well _____ Depth from Ground Level _____

Screened _____ Unscreened _____ Rock _____

Height Measuring Point Above General Ground Level _____

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)
	0	6.76	This is Exhibit 5 mentioned and referred to in the affidavit of A. A. Solomski	50	6.440	
	.5	6.758		55	6.415	
	1	6.755		60	6.390	
	1.5	6.748	Sworn before me this 2nd day of May A.D., 1988	80	6.315	
	2	6.742	 A Commissioner, etc.	100	6.230	
	2.5	6.737		120	6.155	
	3	6.732		180	6.015	
	3.5	6.726		240	5.91	
	4	6.722		300	5.87	
	4.5	6.715		360	5.815	
	5	6.710		420	5.79	
	10	6.655		480	5.78	
	15	6.626		FIN		
	20	6.590				
	25	6.560		835 AM	5.75	
	30	6.535				
	35	6.510				
	40	6.490				
	45	6.465				

Pumping Rate = _____ L/min.



referred to in the affidavit of

A.A. S. Sankar

HYDROLOGY CONSULTANTS

Sworn before me this 2nd day of

May

A.D. 1988

DRAWDOWN

Exhibit H-174 p. 7

GW2

GAUGE HOLE RECORD FOR PUMPED WELL NO. 6W2 GAUGE HOLE

Municipality Miller Site D Project No. T-60047 Date Dec 11/85

Distance from Pumped Well _____ Static Level _____ G.L. Elevation _____

Gauge Hole Type: Test Well _____ Producing Well _____ Depth from Ground Level _____

Screened _____ Unscreened _____ Rock 6.45

Height Measuring Point Above General Ground Level 7.44

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)
12:54	0	7.410		6:00	11	
	On 10 sec			7		
	On 20 sec			8		
	On 30 sec			9		
	On 40 sec			10		
	On 50 sec			11		
12:55	1m			12		
	1m 10s			13		
	1m 20s			14		
	1m 30s			15		
	1m 40s			20	11	
	1m 50s			25		
12:56	2m			30		
	2.5m			35		
12:57	3m			40	11	
	3.5m			45	7.411	
12:58	4m			50		
	4.5m			60		
12:59	5m	7.409		70		

Pumping Rate = _____ L/min.

DRAWDOWNGauge Hole Record for Pumped Well NO ~~008~~ ^{0W2} Gauge Hole _____Municipality Alber Site D Project No. TC60044 Date Dec 11/85

Distance from Pumped Well _____ Static Level _____ G.L. Elevation _____

Gauge Hole Type: Test Well _____ Producing Well _____ Depth from Ground Level _____

Screened _____ Unscreened _____ Rock _____

Height Measuring Point Above General Ground Level _____

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)
	80	"		~~610~~ ⁹⁰⁰	7.381	
	90	"		~~720~~ ⁹⁶⁰	7.381	
	100	"		~~840~~ ¹⁰²⁰	7.375	
	130	"		~~960~~ ¹⁰⁸⁰	7.371	
	160	"		~~1080~~ ¹¹⁴⁰	7.368	
4:03	190	"		~~1200~~ ¹²⁰⁰	7.379	
4:33	220	7.406		~~1220~~ ¹²⁶⁰	7.378	
5:03	250	"		~~1440~~ ¹³²⁰	7.368	
5:33	280	"		~~1560~~ ¹³⁸⁰	7.371	
5:53	300	"		~~1680~~ ¹⁴⁴⁰	7.362	
6:53	360	"		~~1800~~ ¹⁵⁰⁰	7.359	
7:53	~~420~~ ⁴⁸⁰	7.403		~~1920~~ ¹⁵⁶⁰	7.357	
8:53	~~480~~ ⁵⁴⁰	7.400		~~2040~~ ¹⁶²⁰	~~7.356~~ ^{7.356}	
9:53	~~540~~ ⁶⁰⁰	7.397		~~2160~~ ¹⁶⁸⁰		
10:53	~~600~~ ⁶⁶⁰	7.397		~~2280~~ ¹⁷⁴⁰		
11:53	~~660~~ ⁷²⁰	7.390		~~2400~~ ¹⁸⁰⁰		
12:53	~~720~~ ⁷⁸⁰	7.387		~~2520~~ ¹⁸⁶⁰		
AP 1:53	~~780~~ ⁸⁴⁰	7.384		~~2640~~ ¹⁹²⁰		
2:53	~~840~~	7.381		~~2760~~ ¹⁹⁸⁰		

Pumping Rate = _____ L/min.





Exhibit H-727 p. 2

HYDROLOGY CONSULTANTS

DRAWDOWN

SITE D
PUMPING TEST No. 1
RECOVERY DATA FOR OW2 r=9.14m

Recovery

GAUGE HOLE RECORD FOR PUMPED WELL NO. ~~001~~ GAUGE HOLEMunicipality Milton Site D Project No. TL6.0014 Date Dec 13/85Distance from Pumped Well ~35 Static Level _____ G.L. Elevation _____

Gauge Hole Type: Test Well _____ Producing Well _____ Depth from Ground Level _____

Screened _____ Unscreened _____ Rock _____

Height Measuring Point Above General Ground Level _____

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)		Elapsed Time (min.)	Depth to Water (m)	Drawdown (m)
	0	7.3556	This is Exhibit 7 mentioned and	50		7.36.8	
	5		referred to in the affidavit of	55		7.36.6	
	1		A.A. Sabarshi	60		7.36.4	
	1.5		Sworn before me this 2nd day of	80		7.36.2	
	2		May A.D., 1988	100		7.35.6	
	2.5		Commissioner, etc.	120		7.35.6	
	3			180		7.34.6	
	3.5			240		7.34.4	
	4			300		7.34.3	
	4.5			360		7.34.3	
	5			420		7.33.8	
	10	140		480		7.33.5	
	15	7.35.70		FIN			
	20	7.35.90					
	25	7.36		8 ³⁵		7.33 m	
	30	7.36.2					
	35	7.36.4					
	40	7.36.5					
	45	7.36.6					

Pumping Rate = _____ L/min.

Page 1 of _____



T-6600-HV-

SITE "D"

TECH. R2MUDA
PUMP TEST Dec 11 + 12 / 85

		Time DEC 11	Initial Rdg BASE MEASUREMENT	FINAL RDG.	TIME ELAPSED DEC 12	TIME (min)	Δ W.L. (cm)
2-5-84	D	2:30 PM	4.120	4.150	6:45 AM		(3.0) ↓
	S	2:30 PM	0.830	0.780			5.0
HC 2-85	1	2:45 PM	1.950	1.940	6:50 AM		1.0
	2		1.795	1.780			1.5
	3		1.685	1.670			0.5
HC 4-84	D	12:10 PM	2.550	2.540	8:00 AM		1.0
	S		1.490	1.465			2.5
HC 5-85	1	12:30 PM	4.725	4.715	7:20 AM		1.0
	2		4.090	4.060			3.0
	3		0.765	0.770			(0.5)
MB OW 4	1	10:30 AM	0.985	0.990	1:30 PM		(0.5)
	2		0.910	0.880			3.0
	3		1.550	1.540			1.0
HC-3-85	1	11:05 AM	3.155	3.120	7:00 PM		3.5
	2		3.025	3.010			1.5
	3		1.140	1.060			8.0
HC-6-85	1	11:20 AM	3.385	3.360	8:30 AM		2.5
	2		1.645	1.600			4.5
	3		1.650	1.615			3.5
HC-8-84	D	11:45 AM	3.090	3.120	9:00 AM		(3.0) ↓
	S		0.945	0.955			(1.0) ↓

Note Water level readings are not ref. to ground elevation.

Exhibit H-727 p-4

This is Exhibit 8 mentioned and

referred to in the affidavit of

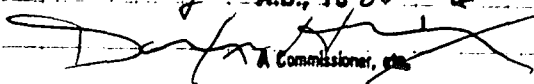
A.A. Solandri

SITE D

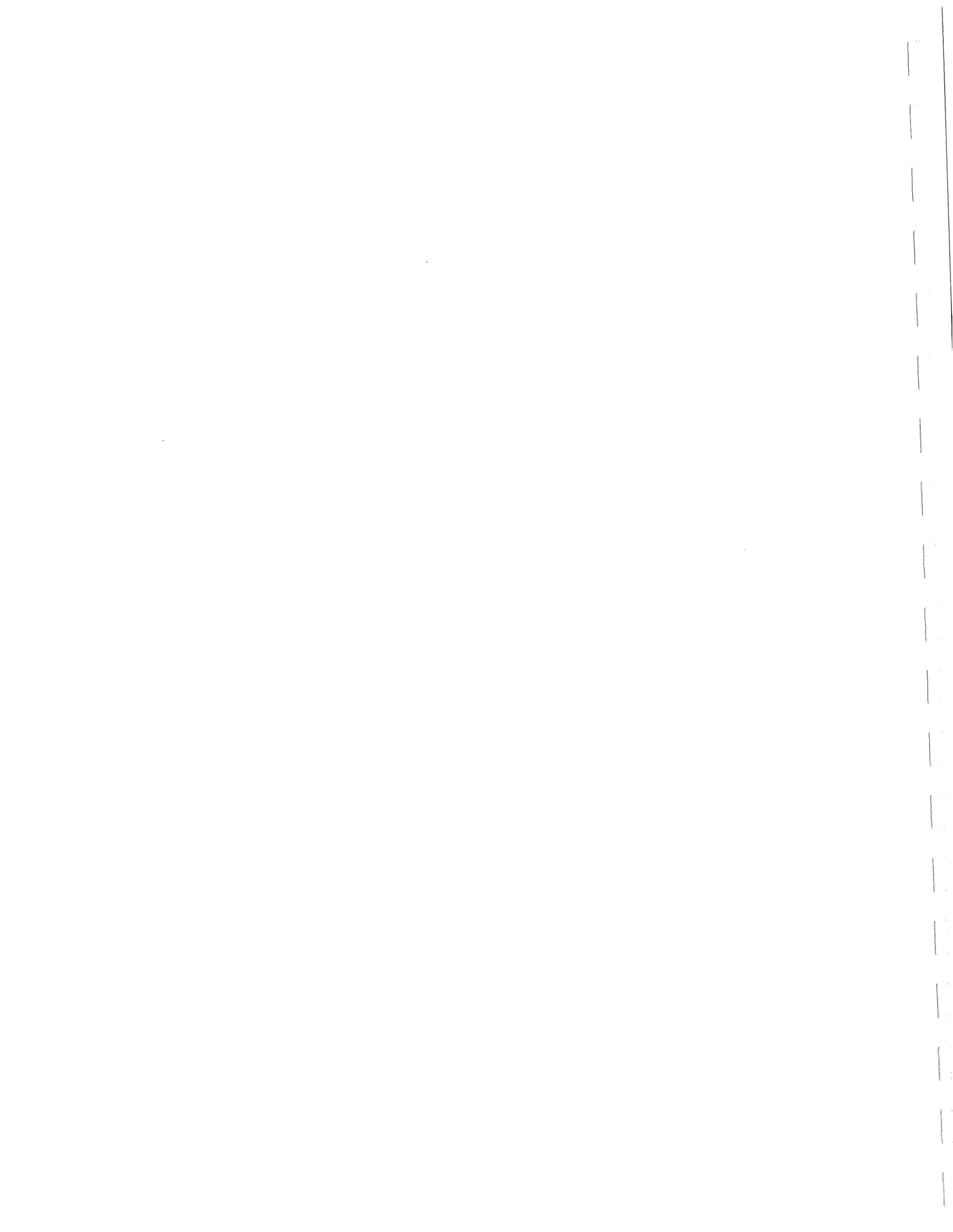
PUMPING TEST No. 1

Sworn before me this 2nd day of

May A.D., 1988



A Commissioner, etc.



PUMPING WELL NO.	OBSERVATION WELL NO.	SCREEN TOP M.A.S.L.	LEVEL BOTTOM M.A.S.L.	WATER BEFORE M.A.S.L.	LEVEL AFTER M.A.S.L.	DEAD END (M)
PW1	-	168.3	167.1	180.46	173.86	6.6
	OW1 (HC4-85)	170.1	167.4	180.53	179.57	0.96
	OW2	-	-	178.91	178.96	0.05
PW2	-	173.4	171.0	180.77	175.54	5.23
	OW1 (HC2-85)	172.9	171.4	181.0	175.91	5.09
	OW2	173.	171.0	181.45	176.42	5.03
	OW3 (CCOW2)	-	-	181.74	180.03	1.76
	OW4 (HC2-86)	171.4	169.9	179.87	179.71	1.16
Exhibit H-84, Addendum B, p. 1		This is Exhibit 9 mentioned and referred to in the affidavit of A. A. Solonari Sworn before me this 2nd day of May A.D., 1988  Commissioner, etc.				
		SITED PW1 & PW2				

Exhibit H-174 p.10
Monitoring Well Data of Date MAR 31, 1986

Project N^o Project Name PW2

RECOVERY started April 2/86

This is Exhibit II mentioned and
 referred to in the affidavit of
A. A. Sabaneri
 Sworn before me this 2nd day of
May A.D., 1986

D. L. [Signature]
 Commissioner, etc.

Date	Time	Elapsed Time	Depth from MP	Elev meas	Draw down	Time	RECOVERY W.L.	Meas. by	Meas Device
	10:20 AM	0	2.37			0	7.60		
		.5	2.90			.5	7.22		
		1.0	2.97			1.0	7.15		
		1.5	3.04			1.5	7.10		
		2.0	3.08			2.0	7.055		
		2.5	3.14			2.5	7.01		
		3.0	3.17			3.0	6.99		
		3.5	3.20			3.5	6.97		
		4.0	3.23			4.0	6.94		
		4.5	3.08			4.5	6.925		
		5.0	3.05			5.0	6.89		
		10	3.23			7.0	6.825		
		15	3.33			10.0	6.755		
		20	3.46			12.0	6.69		
		25	3.51			14.0	6.555		
		30	3.55			16.0	6.415		
		35	3.60			18.0	6.585		
		40	3.65			20.0	6.555		
		45	3.69			22.0	6.52		
		50	3.72			24.0	6.495		
		56	3.78			26.0	6.475		
		60	3.81			28.0	6.445		
		70	3.88			30.0	6.415		
		80	3.94			35.0	6.375		
		90	3.96		1.59	40.0	6.315		
		100	4.05			45.0	6.27		
		120	4.17			50.0	6.225		
		140	4.27			55.0	6.180		
	12:56 pm	156	4.40			61.0	6.140		
		180	4.49			72.0	6.075		
		200	4.595			80.0	6.015		
	2:00 pm	240	4.67			90.0	5.915		
		300	4.845		12.57	100.0	5.910		
		360	4.995			120.0	5.810		
		420	5.145			140.0	7.73		

MONITORING WELL DATA Project No. _____ Project Name _____ Exhibit H-174 p. 11

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Time	Recovery	Meas. by	Meas. Device
		488.5	5.295			16.0	5.655		
		540	5.382			18.0	5.58		
		600	5.50			20.0	5.515		
		660	5.60			24.0	5.395		
	22:10	720	5.70			30.0	5.24		
	23:10	780	5.78			36.0	5.10		
	24:10	840	5.86			42.0	4.75		
	01:10	900	5.94			48.0	4.14		
	02:50	1000	5.94			54.0			
	04:30	1100	6.20			60.0			
	06:10	1200	6.325			66.0			
	07:50	1300	6.44			72.0			
	09:30	1400	6.52			78.0			
	11:10	1500				84.0			
	12:50	1600				90.0			
	14:30	1700	6.79			96.0			
	16:10	1800	6.87			102.0			
	17:50	1900	6.95			108.0			
	19:30	2000	7.15			114.0			
	21:10	2100	7.08			120.0			
			2.17						
			7.245						
			2.30						
			7.36						
			2.425						
			7.465						
			2.53						
			7.53						
			7.60						

334

254

OW-1

MONITORING Well Data 1 of Date MARCH 31/86

Project N° T6600MY Exhibit H-174 p.12
Project Name HILTON EXTENDED WORK
HC2-85-2 HC2-85-3 HC2-85-1

Date	Time	Elapsed Time	Depth from MP	Elev masl	Draw down	#3 stand p.c. HC2-85	#1 HC2-85	Meas. by	Meas. Device
		0	2.40					CARTER	SOLINST
		.5	2.47						
		1.0	2.59						
		1.5	2.66						
		2.0	2.71						
		2.5	2.765						
		3.0	2.79						
		3.5	2.83						
		4.0	2.85						
		4.5							
		5.0	2.72						
		10	2.88						
		15	2.98						
		20	3.12		1.02 m				
		25	3.14						
		30	3.195						
		35	3.255						
		40	3.290						
		45	3.335						
		50	3.385						
		55	3.42						
		60							
		70	3.52						
	11:20	80	3.58						
		90	3.635		1.535				
		100	3.69						
		120	3.82						
		140	3.91						
		160	4.055						
		180	4.13		2.03				
		200	4.24						
		240	4.315						
		300	4.49		3.20 m	1.83	1.92		
		360	4.64			1.84	1.93		
		420	4.79						

trouble measuring pump rate

10 gpm

HOLDING 57 M3 2.72-2.75 5-8 min. 8 min-2.80 at 17 minutes 1.02 m

Q=10 gpm

Q=10 gpm

Q=10 gpm

Q=10 gpm

Date	Time	Elapsed Time	Depth	Elev	Draw	STANDARDS	#	Notes
		488.5	4.93	5.02	1.78	1.930	1.925	
		540	5.15	5.15	1.78	1.930	1.930	
		600	5.15	5.15	1.78	1.930	1.930	
		660	5.26	5.26	1.78	1.930	1.930	
	22:10	720	5.35	5.35	1.74	1.930	1.930	
	23:10	780	5.435	5.435	1.61	1.940	1.940	
	24:10	840	5.505	5.505	1.53	1.940	1.940	
	01:10	900	5.590	5.590	1.465	2.000	2.000	
	02:50	1000	5.580	5.580	1.395	2.00	2.00	
	04:30	1100	5.85	5.85	1.355	2.03	2.03	
	06:10	1200	5.97	5.97	1.31	2.015	2.015	
	07:50	1300	6.0765	6.0765	1.31	2.015	2.015	
	09:30	1400	6.16	6.16	1.3	2.045	2.045	
	11:10	1500	6.255	6.255	1.29	2.125	2.125	
	12:50	1600	6.34	6.34	1.27	2.1075	2.1075	
	14:30	1700	6.42	6.42	1.255	2.185	2.185	
	16:10	1800	6.45	6.45	1.255	2.1	2.1	
	17:50	1900	6.575	6.575	1.255	2.125	2.125	
	19:30	2000	6.645	6.645	1.26	2.15	2.15	
	21:10	2100	6.70	6.70	1.31	2.20	2.20	
	22:50	2200	6.80	6.80	1.33	2.22	2.22	
	24:30	2300	6.88	6.88	1.345	2.245	2.245	
	26:10	2400	6.935	6.935	1.36	2.26	2.26	
	27:50	2500	7.0	7.0	1.37	2.275	2.275	
	29:30	2600	7.06	7.06	1.37	2.30	2.30	
	31:10	2700	7.11	7.11	1.375	2.335	2.335	
	32:50	2800	7.155	7.155				
	34:30	2900	7.19	7.19				

49 hrs

33 hr

45 hr

Monitoring Well Data of Exhibit H-174 p130w1
 Project No _____ Project Name _____
 Date _____
 H2-85-2 H2-85-3 H2-85-1

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OW-2
MONITORING Well Data of _____ Date March 31, 1982

Exhibit H-174 p.14
 Project N^o TG600 HY Project Name HALTON EPA
 Tape T3040

Date	Time	Elapsed Time	Depth from MP	Elev masl	Draw down	Time	RECOVERY W.L.	Time Meas.	W.L. Meas. Device
		0	3.26			0/11:15	7.29		
		.5	3.49			.5	7.16		
		1.0	3.61			1.0	7.07		
		1.5	3.68			1.5	7.03		
		2.0	3.76			2.0	6.945		
		2.5	3.825			2.5	6.905		
		3.0	3.84			3.0	6.875	TIME	W.L.
		3.5	3.88			3.5	6.845		
		4.0	3.94			4.0	6.82		
		4.5	3.90			4.5	6.79	7.5	6.68
		5.0	3.82			5.0	6.77	9.5	6.625
		10	3.98			10	6.60	12.5	6.555
		15	4.065			15.5	6.495	13.5	6.535
		20	4.215			20.5	6.410	17.5	6.455
		25	4.22			25	6.355	18.5	6.445
		30	4.285				6.285	24	6.360
		35	4.34			35	6.230	27.5	6.315
		40	4.38			40	6.180	32.5	6.250
		45	4.43			45	6.140		
		50	4.48			50	6.095		
		55	4.53			55	6.055		
		60	4.56			61	6.010		
		70	4.64			72	5.945		
		80	4.66			80	5.90		
		90	4.72		1.46m	90	5.84		
		100	4.76			100	5.785		
		120	4.89			120	5.685		
		140	4.98			140	5.6		
		160	5.12			160	5.52		
		180	5.22			180	5.455		
		200	5.335			240	5.27		
		240	5.39			300	5.11		
		300	5.58			360	4.985		
		360	5.72			05:10 pm	4.64		
		420	5.885						

* Subtract 1m from each measurement only
 (drawdown data) See over
 Rechecked H and G

OW-2

MONITORING Well Data

of _____ Date _____

Exhibit M-174 p.15

Project N° _____

Project Name _____

Date	Time	Elapsed Time	Depth from HP	Elev masl	Draw down	Time	Recovery well	Meas. by	Meas Device
		480	6.02			April 3/86			
		540	6.12			7:40 am	4.03		1230 minutes
		600	6.24			14:00	3.80		1610 minutes
		660	6.34						
		720	6.43			April 4/86			
	23:10	780	6.50			9:10 am	3.400		2880 minutes
	24:10	840	6.58						
	01:10	900	6.66			April 8/86			
	02:50	1000	6.67			9:10 am	2.80	7200	
	04:30	1100	6.91						
	06:10	1200	7.045						
	07:50	1300	7.14						
	09:30	1400	7.24						
	11:10	1500	7.35						
	12:50	1600	7.45						
	14:30	1700	7.515						
	16:10	1800	7.59						
	17:50	1900	7.66						
	19:30	2000	7.735						
	21:10	2100	7.81						
	22:50	2200	7.895						
	24:30	2300	7.94						
	26:10	2400	8.03						
	27:50	2500	8.09						
	29:30	2600	8.15						
	31:10	2700	8.21						
	32:50	2800	8.25						
	34:30	2900	8.29						

Subtract 1m from each measurement



~~7703~~ **OW3** SHALLOW South
 MONITORING Well Data of Date March 31/86
 Exhibit H-174 p.16
 Project No MILTON Project Name PUMP TEST #2 DRAWDOWN DATA
 MARCH 31/86

Date	Time	Elapsed Time	Depth from MP	Elev masl	Draw down Time	ELAPSED TIME	Meas. by	Meas. Device
		0	1.92			710	2.145	
		.5			23:40	810	2.20	
		1.0					2.25	
		1.5			03:30	1040	2.34	
		2.0			04:45	1115	2.39	
		2.5				1216	2.46	
		3.0				1310	2.52	
		3.5				1407	2.55	
		4.0				1508	2.60	
		4.5			14:40	1710	2.75	
		5.0			16:17	1807	2.83	
		10			18:00	1910	2.885	
		15			19:30	2000	2.96	
		20			21:10	2100	3.03	
		25			22:50	2200	3.09	
		30			01:30	2300	3.145	
		35			2:10	2400	3.23	
		40			3:50	2500	3.28	
		45			5:30	2600	3.36	
		✓ 50	1.92		7:10	2700	3.425	
		55			7:10	2820	3.44	
		60			11:10	2940	3.55	
		70						
		80						
		90						
		✓ 100	1.92					
		120						
		140						
		160						
		180						
		200						
		250						
		✓ 300	1.94					
		360						
		420						
		510	2.03					

2.17
 This is Exhibit 14 mentioned and referred to in the affidavit of A. A. Solares
 Sworn before me this 2nd day of May A.D., 1986

A. A. Solares, Jr.

April 1/86

April 2/86

use OW
 TAPE

Time Log
 3:035
 4:160 min

3.685
 + 1.92
 176



MYSTERY WELL (SHALLOW) 2140 m from Pump Well (LATEST)

HYDROLOGY CONSULTANTS



DRAWDOWN

~~MB~~ - OW-3: Recovery

GAUGE HOLE RECORD FOR PUMPED WELL NO. _____ GAUGE HOLE _____

Municipality _____ Project No. _____ Date APRIL 2/86

Distance from Pumped Well 2140 Static Level _____ G.L. Elevation _____

Gauge Hole Type: Test Well _____ Producing Well _____ Depth from Ground Level _____

Screened _____ Unscreened _____ Rock _____

Height Measuring Point Above General Ground Level _____

Date & Time	Elapsed Time (min.)	Depth to Water (m)	Time ~~Drawdown~~ (min.)	Depth to Water (m)	Elapsed Time (min.) (Recovery)	Depth to Water (m)	~~Drawdown~~ (m)
0	11:10 am	3.55	50	3.55			
.5		3.54	55	3.54			
1		3.54	60	3.54			
1.5		3.54	150	3.57			
2		3.54	270	3.63 *			
2.5		3.54	370	3.65			
3		3.55	8:40 / 570	3.685	570 min		
3.5		3.55	7:30 am / April 3/86	3.635	1220 min		
4		3.55					
4.5		3.55	13:55	3.54	1605 min		
5		3.5	APRIL 4/86				
10	11:20	3.545	9:00 am	3.275	2870 min		
15	11:25	3.555	9:00 am	2.75	7190 min		
20	11:30	3.555					
25	11:35	3.555					
30	11:40	3.555					
35	11:45	3.56					
40	11:50	3.56					
45	11:55	3.565					

Pumping Rate = _____ L/min.

MB IN OW2 well 28/4/88

* OW1 TAPE USED - PREVIOUS DATA FROM OW-2 TAPE

Page _____ of _____

Monitoring Well Data of Exhibit 929-p-10 Project No. HC-6-86
 Date MAR 31/86 SITE D PUMPING TEST No. 2 HC 2-86-2
 FIELD BOOK (40)

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. Meas
This is Exhibit 1b						
referred to in the affidavit of						
A. A. Solomsky						
Sworn before me this 2nd day of						
May A.D., 1986						
Commissioner, etc.						
~~_____~~						
R. Galt						
April 1/86						
	12:35	3.635	300	3.635		
		465	3.635			
		690	3.640			
		1060	3.62			
April 2/86						
	9:30	2840				
	9:50	2900				
	14:20					
	21:10					
April 3/86						
	8:10					
	10:20					
	13:30					
April 4/86						
	9:35 am					
	9:35 am					
	3.782					
	3.772					
	3.760					
	3.730					
April 10/86						
	9:10					
April 15/86						

OW-2 TAP

OW-1 TAP

OW-1 TAP

11/11/86
 4/10

H C 2-85

O W 1

April 1/86 - April 2/86

O'CONNER

CCOINZ

HC3862

TIME	Pumping Well	# 2	# 3	# 1	O W 2	O W 3 shallow south	HC3862 10-86
17:50	6.95	6.575	1.255	2.125	7.66	2.885	2.285
19:30	7.15	6.645	1.26	2.15	7.735	2.96	2.285
21:10	7.08	6.700	1.31	2.20	7.81	3.03	2.285
22:50	7.172	6.8	1.33	2.22	7.895	3.09	2.285
2:30	7.245	6.88	1.345	2.245	7.94	3.145	2.29
2:10	7.30	6.935	1.36	2.26	8.03	3.23	2.29
3:50	7.36	7.0	1.37	2.275	8.09	3.28	2.29
5:30	7.425	7.06	1.37	2.30	8.15	3.3	2.29
7:10	7.465	7.11	1.375	2.335	8.21	3.425	2.29
8:50	7.53	7.155	1.395	2.345	8.25	3.44	2.275

Bruce O'Conner Pulling log.

AND H.C.
 O' CONNER'S FIELD DATA
 FOR PUMPING 2, P W 2
 (2ND ATTEMPT.)

Exhibit H-727 p.9

This is Exhibit 17 mentioned and
 referred to in the affidavit of
 A. A. Solomari
 Sworn before me this 2nd day of
 May A.D. 1988
 [Signature]
 A Commissioner, etc.

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SITE 2 PUMPING TEST No. 2
MORRISON BEATTY MB (IN) OW4

Time	Elapsed Time	Depth from MP 1	2	3
14:52	1722	0.97	1.085	1.235
16:28	1818	0.975	1.085	1.245
~~used~~ 9:15 am		.975	1.12	1.7.6.

April 2486

This is Exhibit 18 mentioned and

referred to in the affidavit of

A. A. Solonaki

Sworn before me this 2nd day of

May A.D., 1988

[Signature]
A Commissioner, etc.

April 2/86

MB (IN) OW3.

~~9:10 3.44 m MYSTERY SHALLOW~~
~~9:40 2.275 m MB-10-86~~
 9:30 3.705 6-86
 9:50 3.710 6-86

OW1 Tape.

HC-3-84

MONITORING Well Data of Date MAR 31/86

Exhibit H-727 p. 14 SITE D PUMPING TEST No. 2

Project No _____ Project Name

HC 3-84

Date	Time	Elapsed Time	Depth from HP	Elev. read	Draw down		Meas. by	Meas. device
		0	D-3.16					
			S-1.26					
2 ON 2		570	D-3.20			This is Exhibit 19	mentioned and	
			S-1.20			referred to in the affidavit of		
	6:40	1235	D-3.195			A. A. Sabanski		
			S-1.26			Sworn before me this	2nd day of	
	10:10	1440	D-3.185			May	A.D., 1986	
			S-1.25			<i>[Signature]</i>	A Commissioner, etc.	
	15:15	1745	D-3.18					
			S-1.24					
April 2/86		10:00	D-3.225					✓
			S-1.26					
~~MB (IN) OW 3.~~								
Pumping Wells 10:00 April 2/86								
EAST END OF MARLIN LANDING STRIP								
A-	1.70-							
B	2.185-							
C	2.89-							

* correct w/mnt

HC-4-85

HC 4-85

mapping wells trans fall 85	time	elapsed time	North water level (from top of casing)	South
owl - tape April 1/86	9:52 1:07	1422 1617	5.825 5.825	5.825 5.825
(CW2 tape used) April 2/86	9:10	2820	5.855	5.945 -
~~CW1 tape~~	~~10:11~~		5.835	5.935
~~CW2 tape~~			5.87	5.96 -
April 2/86 recovery CW2 tape	2:05		5.85	5.96

Exhibit H-727 p.13

PLUGGED

This is Exhibit 20 mentioned and

referred to in the affidavit of

A. A. Solondzi

Sworn before me this 2nd day of

May A.D., 1988

[Signature]
Commissioner, etc.

use OW1 tape

HC-5-CH ~~100~~ 54045 + 50000

HC-5-5407 + 5408

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SITE F
PUMPING TEST

This is Exhibit **22** mentioned and
referred to in the affidavit of
A.A. Sobershi
Sworn before me this **2nd** day of
May A.D., 1988

[Signature]
Commissioner, etc.

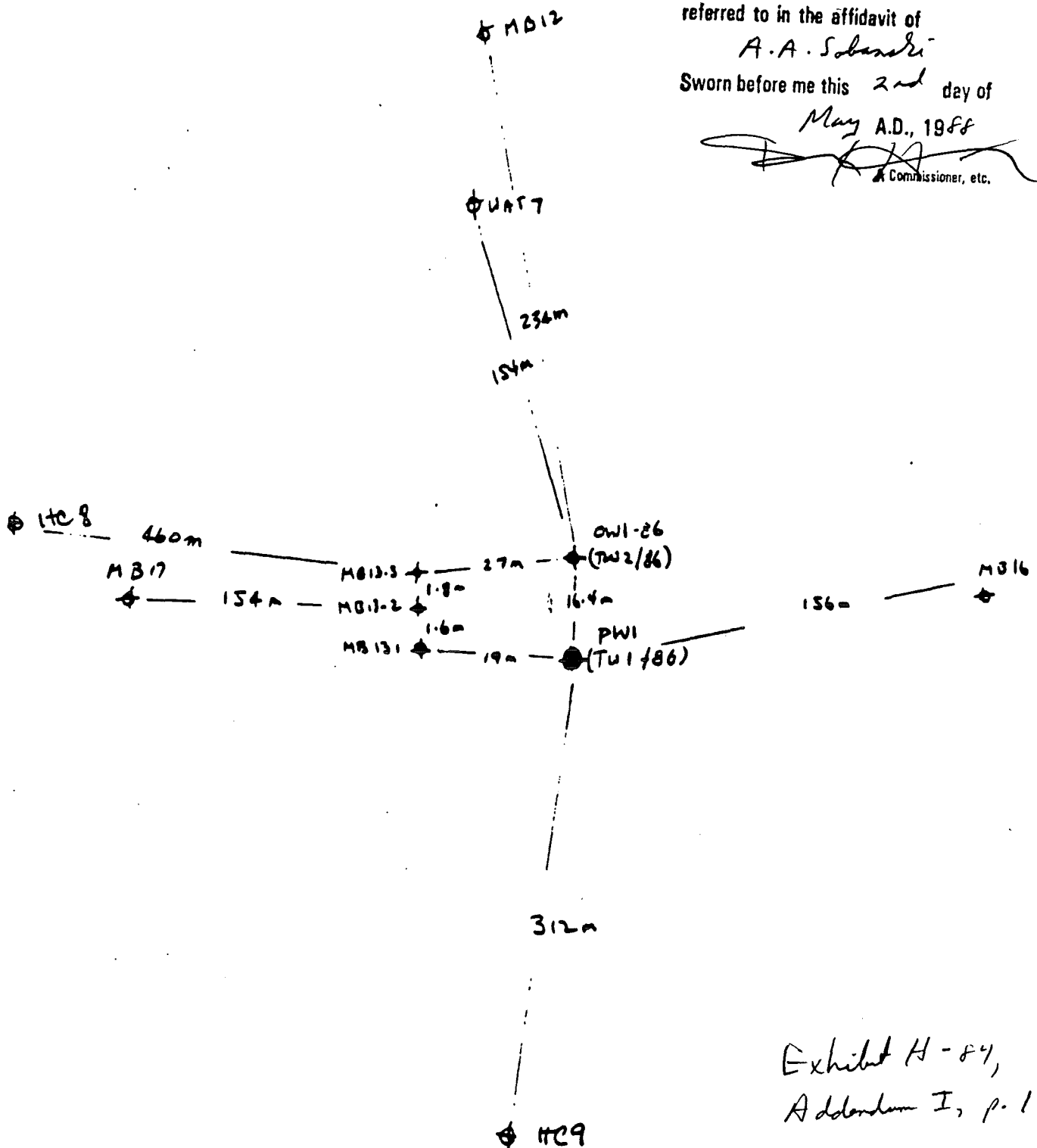


Exhibit H-84,
Addendum I, p. 1

PUMPING TEST NO 1 (PW1)
FOR MASTER PLAN, REFER TO DRAWING NO 5
SITE F

Well Day

Exhibit H-676 p. 1

86.3.12

Project No T660047

Plant Name HALTON SITE F

Well being

TW1/86

Site F Loc 16

Monitor Well

TW1/86 - PUMPING WELL DATA

Monitor Well description

152mm ID well TD 30.85m b.g.l.

Measuring point description

T.O.C.

Elevation of Measuring Point

118.764

Height of Measuring Point above Ground

0.65m

Elevation of Ground

118.122

Source of Elevation's

Distance + location of

Monitoring Well

0

Construction Details (m.a.s.l.)

Uncased
1 Screened Interval 10.52 to 30.85m b.g.l.
2 Sealed Interval to

Static level (m below MP),

8.03

7.98

7.99

2 (M.A.S.L.)

1

2

3

3 Time

0846

1003

1040

- discharge water during test piped into drainage ditch along North Service road which flows into culvert under North Service Rd. At start of test, volume of pumping test discharge is 1/2 flow in ditch. Flow increases due to precipitation.

- test starts 86.3.12 1130h, ends 86.3.13 1300h

- Q measured with rotameter = 15 L/min 1300h - 2330h

This is Exhibit 23 mentioned and

= 4 L/min 2330 - 2340

398 m

referred to in the affidavit of

= 9 L/min 2340 - 0100

A.A. Sobanari

= 12 L/min 0100 - 1000

Sworn before me this 2nd day of

= 11.5 L/min 1000 - 1150

May A.D., 1988

= 9 L/min 1150 - 122A

Commissioner, etc.

= 6 L/min 122A - 1300h

bulk of water coming from 15m BGL

Monitoring Well Data
Exhibit H-676 P 2 of 3 Date 8/3/12

Project No _____ Project Name PUMPING WELL TWI 86

Date	Time	Elapsed Time	Depth from HP	Elev	Draw down	Q	Meas. by	Meas. Device
8/3/12	11:30	0	8.00	0	0	15.0		
	1	8.685		0.685	1.09			
	2	9.09		9.47	1.47			
	3	9.47		9.85	1.85			
	4	9.85		10.08	2.08			
	5	10.08		10.32	2.32			
	6	10.32		10.56	2.56			
	7	10.56		10.67	2.67			
	8	10.67		10.86	2.86			
	9	10.86		11.03	3.03			
	10	11.03		11.24	3.24			
	11	11.24		11.41	3.41			
	12	11.41		11.64	3.64			
	13	11.76		3.76				
	14	11.89		3.89				
	15	12.19		4.19				
	16	12.42		4.42				
	17	12.58		4.58				
	18	12.79		4.79				
	19	12.89		4.89				
	20	13.01		5.01				
	21	13.10		5.10				
	22	13.19		5.19				
	23	13.28		5.28				
	24	13.37		5.37				
	25	13.48		5.48				
	26	13.58		5.58				
	27	13.76		5.76				
	28	13.72		5.72				
	29	13.89		5.89				
	30	14.10		6.10				
	31	14.16		6.16				
	32	15.08		7.08		15.0		

Project No _____ Project Name _____

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Q	Meas. by	Meas. Device
		210	15.10		7.10	15	1/4" (Hydr)	
		240	15.27		7.27			
		270	15.50		7.50			
		300	15.93		7.93			
		330	16.52		8.52			
		450	17.32		9.32			
		510	19.20		11.20			
		570	23.96		15.96			
		630	28.23		20.23			
		690	29.87		21.87			
		720	—		—	15-4		
		730	—		—	4-9		
		735	14.79		6.79			
		750	15.61		7.61			
36.3.13	0030	780	15.70		7.70			
	0100	810	15.70		7.70	9-12		
	0130	840	16.99		8.99	12		
	0200	870	16.86		8.86			
	0400	990	17.14		9.14			
	0500	1110	18.17		10.17			
0630	1260	19.46			11.46	12-14.5		
1030	1350	26.50			18.50			
1100	1410	28.44			20.44	11.5-9		
1150	1460							
1022	1372	27.28			19.28			
1220	1490	30.06			22.06	9-6		
1301	1530	—						
	1530	—						
	19.63	11.63						
	19.10	11.10						
	18.61	10.61						
	18.07	10.07						
	17.62	9.62						

Monitoring Well Data
 Exhibit H-676 p. 4
 3 of 3 Date

Project No _____
 Project Name _____

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
		6	17.18		9.18	M/K	
		7	16.79		8.79		
		8	16.39		8.39		
		9	15.99		7.99		
		10	15.87		7.87		
		12	15.14		7.14		
		14	14.52		6.52		
		16	14.44		6.44		
		18	14.38		6.38		
		20	14.21		6.21		
		25	14.00		6.00		
		30	13.79		5.79		
		40	13.53		5.53		
		50	13.45		5.45		
		60	13.26		5.26		
		80	13.08		5.08		
		100	12.91		4.91		
		120	12.83		4.83		
		140	12.75		4.75		
		160	12.68		4.68		
		180	12.60		4.60		

AB

↑

Well DATA SHEET

Exhibit H-676 p.5

Date: 86.3.12

Project No: T6600

Project Name Halton

Well being tested TW1/86

Monitor Well TW2/86

Monitor Well description 152mm ID well TD. 30.75m b.g.l.

Measuring Point description. T.O.C. (152mm steel)

Elevation of Measuring Point EL 118.764

Height of Measuring Point above Ground 0.47m a.g.l

Elevation of Ground EL 118.292

Source of Elevations R. Zmuda, H.C.

Distance & location of Monitoring Well 16.4m north of TW1/86

Construction Details (M.A.S.L.)
1 ^{uncased} ~~Sealed~~ Interval 11.37m to 30.75m b.g.l.
2 Sealed Interval to

Static level (m below MP),	1 9.58	2 9.57	3
2 M.A.S.L.)	1	2	3
3 Time	1 1003	2 10.40	3

This is Exhibit 24 mentioned and

referred to in the affidavit of

A.A. Sobaneri

Sworn before me this 2nd day of

May A.D., 1988

[Signature]
Commissioner, etc.

Bulk of water from fracture 27m BGL

Exhibit H-676 p-6

TW2/86

Date	Time	Elapsed Time	Depth from MP	Elev mast	Draw down			Meas. by	Meas. Device
					m	ft.			
86.3.12	1130	0	9.53		0	0			
		1	9.54		0.01	0.03			
		2	9.54		0.01	0.03			
		3	9.545		0.015	0.05			
		4	9.545		0.015	0.05			
		5	9.55		0.02	0.07			
		6	9.56		0.03	0.10			
		7	9.58		0.05	0.16			
		8	9.59		0.06	0.20			
		9	9.59		0.06	0.20			
		10	9.61		0.08	0.26			
		12	9.665		0.135	0.44			
		14	9.68		0.15	0.49			
		16	9.70		0.17	0.56			
		18	9.75		0.22	0.72			
		20	9.78		0.25	0.82			
		25	9.84		0.31	1.02			
		30	9.91		0.38	1.25			
		35	9.95		0.42	1.38			
		40	10.09		0.56	1.84			
		45	10.11		0.58	1.90			
		50	10.14		0.63	2.07			
		55	10.18		0.65	2.13			
		60	10.27		0.74	2.43			
		65	10.30		0.77	2.53			
		70	10.33		0.80	2.62			
		75	10.39		0.86	2.82			
		80	10.45		0.92	3.02			
		85	10.48		0.95	3.12			
		90	10.51		0.98	3.22			
		104	10.52		0.99	3.25			
		120	10.65		1.12	3.67			
		150	10.84		1.31	4.30			

MONITORING Well Data

2 of

Date _____

Project N°

Project Name

TW 2/86

[illegible]

Well DATA SHEET

Exhibit H-676 p. 8

Date MAR 12/86

Project No. TC60044 Project Name HALTON EPA

Well being tested HC-16-86 Site F (TW1/86)

Monitor Well WAT 7-1

Monitor Well description 1/2" poly tube

Measuring Point description Top of protective casing

Elevation of Measuring Point 118.331

Height of Measuring Point above Ground 0.584

Elevation of Ground 117.747

Source of Elevations _____

Distance + location of Monitoring Well ± 154 m North (from top)

Construction Details
(M.A.S.L.) 1 Screened Interval 112.657 to 111.517
2 Sealed Interval _____ to _____

Static level (m below MP),	<u>2.355</u>	1	<u>2.355</u>	2	_____
2 M.A.S.L.)	<u>115.976</u>	2	<u>115.976</u>	3	_____
3 Time	<u>815 AM</u>	2	<u>1015 AM</u>	3	_____

This is Exhibit 25 mentioned and

referred to in the affidavit of

A. A. Sabarwal

Sworn before me this 2nd day of

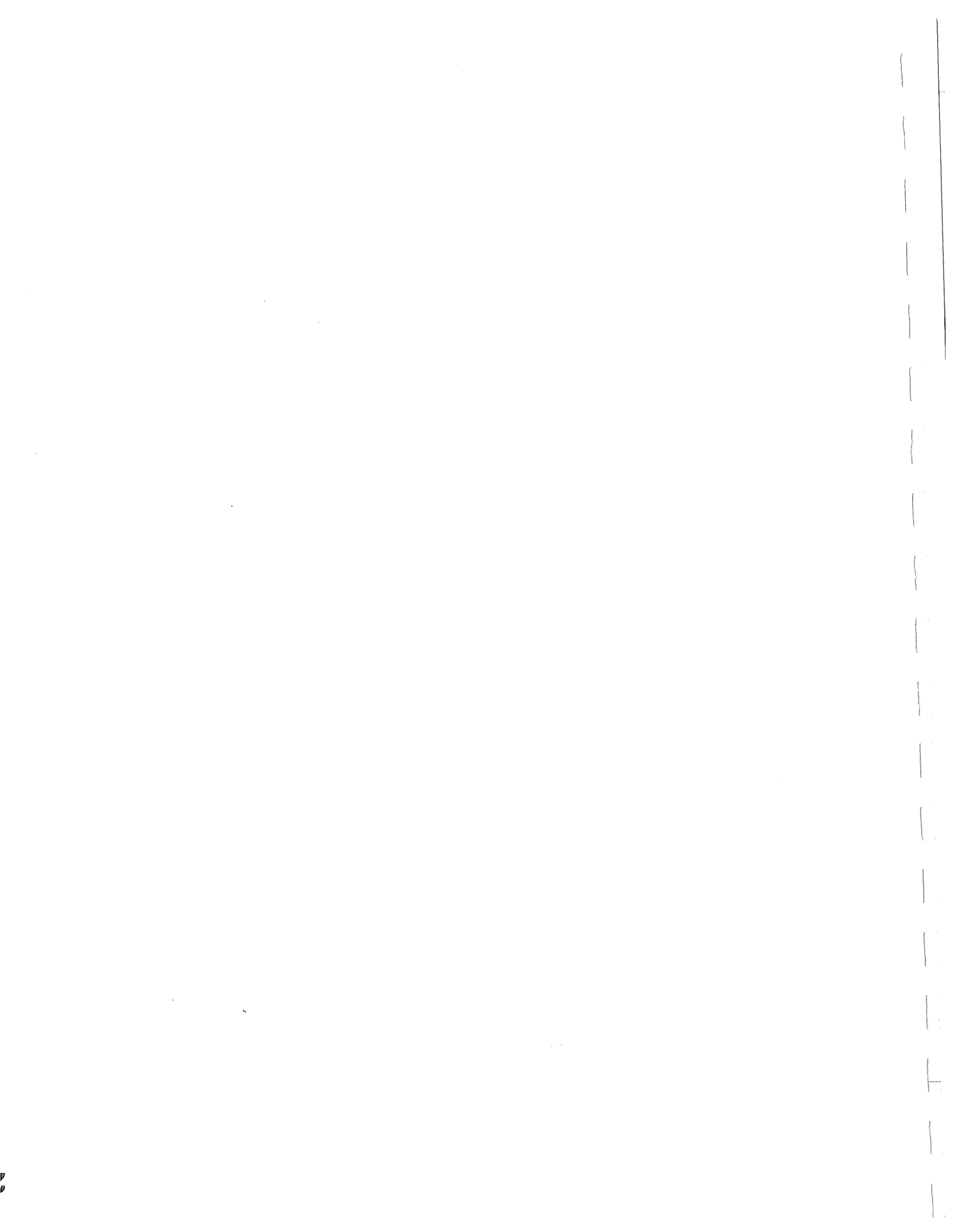
May A.D., 19 86


Commissioner, etc.

Monitoring Well Data
 Exhibit H-676 P.9
 Date: March 12/86

Project Name: HALTON EPA
 Project Number: 1

Date	Time	Time	Time	Depth	Elev	Draw	Draw	Meas.	Meas.
03-12-86	12:50 PM	45	2:36	115.971	0.7	0	0	A.B	PT
03-12-86	4:15 PM	285	2.36	115.971	0	0	0	A.B	
03-13-86	11:00 AM	1410	2:53	115.801	+0.17	.17	.17	A.B	
03-13-86	12:15 PM	1485	2:56	115.771	+0.20	.20	.20	A.B	
03-13-86	4:15 PM	1950	2:55	115.772	0.01	.19	.19	A.B	
03-14-86	8:15 AM	1155	2:63	115.701	0.07	.27	.27	A.B	
03-14-86	16:15 AM	1275	2:64	115.691	0.08	.28	.28	A.B	



Well DATA SHEET

Exhibit H-676 p.10

Date MAR 12/86

Project No. T6600HY Project Name HALTON E.P.A.

Well being tested HC-16-86 Site F

Monitor Well WAT-7-2

Monitor Well description 1/2" polytube

Measuring Point description Top of protective casing

Elevation of Measuring Point 118.331

Height of Measuring Point above Ground 0.584

Elevation of Ground 117.747

Source of Elevations _____

Distance + location of
Monitoring Well m North

Construction Details 1 Screened Interval 109.897 to 108.757
(M.A.S.L) 2 Sealed Interval _____ to _____

Static level (m below MP),	<u>2.495</u>	2 <u>2.495</u>	3 _____
2 (M.A.S.L)	<u>115.836</u>	2 <u>115.836</u>	3 _____
3 Time	<u>815</u>	2 <u>1015</u>	3 _____

This is Exhibit 26 mentioned and

referred to in the affidavit of

A. A. Sabanelli

Sworn before me this 2nd day of

May A.D., 1986


A Commissioner, etc.

Project No. T6600HY Project Name: Habitat E.P.A.

Date	Time	Elapsed Time	Depth	Elev	Draw	Meas. by Device
03-12-86	12:15 PM	45	250	115.831	0	A.B. PT
03-12-86	4:15 PM	285	250	115.831	0	A.B. PT
03-13-86	11:00 AM	1410	259	115.826	0.05	A.B. PT
03-13-86	12:15 PM	1485	254	115.827	0.04	A.B. PT
03-13-86	4:15 PM	195	254	115.827	0.04	A.B. PT
03-14-86	8:15 AM	1155	259	115.822	-0.05	A.B. PT
03-14-86	10:15 AM	1275	259	115.822	-0.05	A.B. PT

Small Response?



Well DATA SHEET Exhibit H-676 p. 12 Dat-MAR 12/85

Project No: T6600HY Project Name: HALTON E.P.A.

Well being tested HC-16-BG Site F

Monitor Well WAT 7-3

Monitor Well description 1/2" Polytube

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 118.331

Height of Measuring Point above Ground 0.584

Elevation of Ground 117.747

Source of Elevations _____

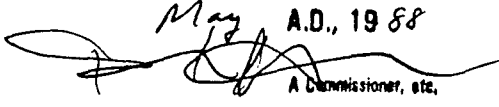
Distance + location of Monitoring Well _____ m North

Construction Details 1 Screened Interval 107.137 to 105.997
(M.A.S.L) 2 Sealed Interval _____ to _____

Static level, (m below MP),	<u>3.130</u>	1	<u>3.130</u>	3	_____
2 (M.A.S.L)	<u>115.201</u>	2	<u>115.201</u>	3	_____
3 Time	<u>8:15 AM</u>	2	<u>10:15 AM</u>	3	_____

This is Exhibit 27 mentioned and referred to in the affidavit of A. A. Sabarwal

Sworn before me this 2nd day of May A.D., 19 88


A Commissioner, etc.

Monitoring Well Data
E xhibit H-676 P.13
Date Mar 12/86

Project No. T6600HY Project Name: HALTON EPA.

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by Device
03-12-86	1215 AM	45	3.13	115.201	0	AB PT
03-12-86	415 AM	285	3.13	115.201	0	AB PT
03-13-86	1100 AM	1410	3.22	115.111	0.09	AB PT
03-13-86	1215 PM	1485	3.21	115.121	0.08	AB PT
03-13-86	415 PM	195	3.20	115.131	Recovery	AB PT
03-14-86	815 PM	1155	3.19	115.141	0.02	AB PT
03-14-86	1015 AM	1275	3.19	115.141	0.02	AB PT

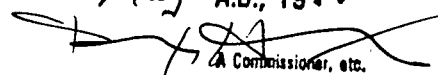


Well DATA SHEET

Exhibit H-676 p.14

Date MAR 12/86Project No: T660047 Project Name: HALTON E.P.A.Well being tested HC-16-86 Site FMonitor Well WAT 7-4Monitor Well description 1/2" PolytubeMeasuring Point description Top of Protective CasingElevation of Measuring Point 118.331Height of Measuring Point above Ground 0.584Elevation of Ground 117.747

Source of Elevations _____

Distance + location of
Monitoring Well _____ m NorthConstruction Details
(M.A.S.L.) 1 Screened Interval 104.387 to 103.237
2 Sealed Interval _____ to _____Static level (m below MP), 1 4.060 2 4.060 3 _____
2 (M.A.S.L.) 1 114.271 2 114.271 3 _____
3 Time 1 _____ 2 _____ 3 _____This is Exhibit 28 mentioned and
referred to in the affidavit ofA.A. SobarskiSworn before me this 2nd day ofMay A.D., 1988
A Commissioner, etc.

MONITORING Well Data Exhibit M-676 P. 15 of 1 Date MAR 12/86

Project N^o TGG0044 Project Name HALTON EPA

11/1/81

Date	Time	Elapsed Time	Depth from HP	Elev. mast	Draw down		Meas. by	Meas. Device
03-12-86	1215 PM	45	4.06	114.271	0		A.B.	PT
03-12-86	415 PM	285	4.12	114.211	0.06		A.B.	PT
03-13-86	1100 AM	1410	5.02	113.311	0.96		A.B.	PT
03-13-86	1215 PM	1485	5.03	113.301	0.97		A.B.	PT
03-13-86	415 PM	195	5.05	113.281	Recovery -0.02		A.B.	PT
03-14-86	815 AM	1155	5.25	113.081	-0.22		A.B.	PT
03-14-86	1015 AM	1275	5.25	113.081	-0.22		A.B.	PT

A

NOTE: CONTINUING D.O. - delayed drainage

Well DATA SHEET

Exhibit H-676 p. 16

Date MAR 12/86

Project No. T6600 HY Project Name HALTON E.P.A.

Well being tested HC-16-86 Site F

Monitor Well WAT 7-5

Monitor Well description 1/2" Polytube

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 118.331

Height of Measuring Point above Ground 0.584

Elevation of Ground 117.747

Source of Elevations _____

Distance + location of
Monitoring Well _____ m North

Construction Details 1 Screened Interval 101.807 to 100.577
(m.a.s.l.) 2 Sealed Interval _____ to _____

Static level (m below MP),	<u>5.090</u>	2	<u>5.090</u>	3	_____
2 (M.A.S.L.)	<u>113.241</u>	2	<u>113.241</u>	3	_____
3 Time	<u>8:15 AM</u>	2	<u>10:15 AM</u>	3	_____

This is Exhibit 29 mentioned and

referred to in the affidavit of

A.A. Solondu

Sworn before me this 2nd day of

May A.D., 1986

[Signature]
A Commissioner, etc.

Exhibits A-676 P-17

Project No. IT-6004 Project Name: HATHI E.P.A.

Date	Time	Elapsed Time	Depth	Elev	Draw	Meas.	Device
03-12-86	1215 PM	45	6.10	112.231	1.61	A.B.	PT
03-12-86	415 PM	285	6.19	112.141	1.10	A.B.	PT
03-13-86	1100 AM	1410	7.36	110.971	2.27	A.B.	PT
03-13-86	1215 PM	1485	7.42	110.911	2.33	A.B.	PT
03-13-86	415 PM	1950	7.45	110.881	2.36	A.B.	PT
03-14-86	815 AM	1155 ^{to 40}	7.53	110.801	0.11	A.B.	PT
03-14-86	1015 AM	1275 ²¹⁶	7.54	110.791	-0.12	A.B.	PT
86.3.12	2230A	660	7.36				

slight recovery

delayed drawing

Northern



Well DATA SHEET Exhibit H-676 p-18 Date MAR 12/86

Project No: T66COHY Project Name: HALTON EPA

Well being tested HC-16-86 Site F

Monitor Well WAT 7-6

Monitor Well description 1/2" Poly tube

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 118.331

Height of Measuring Point above Ground 0.584

Elevation of Ground 117.747

Source of Elevations _____

Distance + location of
Monitoring Well m North

Construction Details 1 Screened Interval 98.867 to 97.727
(M.A.S.L) 2 Sealed Interval _____ to _____

Static level (m below MP), 1 5.090 2 5.090 3 _____
2 (M.A.S.L) 1 113.241 2 113.241 3 _____
3 Time 1 8:15 AM 2 10:15 AM 3 _____

This is Exhibit 30 mentioned and
referred to in the affidavit of

A. A. Sobanski

Sworn before me this 2nd day of

May A.D., 19 88


Commissioner, etc.

Monitoring Well Data Exhibit H-676 p.19 Date Mar 12/86

Project No. 1760044 Project Name: HALLON E PA

118.33'

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
03-12-86	12:15 PM	45	6.12	112.21	1.030	A.B.	PI
03-12-86	4:15 PM	285	6.32	111.81	1.430	A.B.	PI
03-13-86	1:00 AM	1410	8.65	110.26	2.925	A.B.	PI
03-13-86	12:15 PM	1485	8.09	110.24	3.000	A.B.	PI
03-13-86	4:15 PM	195	8.04	110.29	3.000	A.B.	PI
03-14-86	8:15 AM	1155	7.99	110.34	0.10	A.B.	PI
03-14-86	10:15 AM	1275	7.48	110.85	0.61	A.B.	PI
NOT FULLY RECOVERED							
06.3.12	2230	660	6.85	1.19		North	



Well DATA SHEET

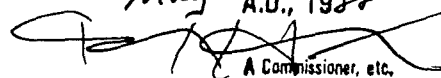
Exhibit H-676 p. 20

Date: MAR 12/86Project No: T6600HY Project Name: HALTON E.P.A.Well being tested: HC-16-86 Site FMonitor Well: WAT7-7Monitor Well description: 1/2" PolytubeMeasuring Point description: Top of Protective CasingElevation of Measuring Point: 118.331Height of Measuring Point above Ground: 0.584Elevation of Ground: 117.747

Source of Elevations: _____

Distance & location of
Monitoring Well: _____m NorthConstruction Details: 1 Screened Interval 96.107 to 99.967
(M.A.S.L.) 2 Sealed Interval _____ to _____

Static level (m below MP),	<u>7.360</u>	2 <u>7.360</u>	3 _____
2 (M.A.S.L.)	<u>110.971</u>	2 <u>110.971</u>	3 _____
3 Time	<u>8:15 AM</u>	2 <u>10:15 AM</u>	3 _____

This is Exhibit 31 mentioned and
referred to in the affidavit ofA. A. SabarwalSworn before me this 2nd day ofMay A.D., 1988
A Commissioner, etc.

Project No I6600 Project Name Halter EPA-WAT 7-7

[illegible]

Well DATA SHEET

Exhibit H-676, p.22

Date MAR 12/86Project No: T6600H4 Project Name HALTON E.P.A.Well being tested HC-16-86-Site FMonitor Well WAT 7-8Monitor Well description 1/2" PolytubeMeasuring Point description Top of Protective CasingElevation of Measuring Point 118.331Height of Measuring Point above Ground 0.584Elevation of Ground 117.747

Source of Elevations _____

Distance + location of
Monitoring Well _____ m NorthConstruction Details 1 Screened Interval 93.347 to 92.207
(m.a.s.l.) 2 Sealed Interval _____ to _____

Static level (m below MP),	<u>8.67</u>	2. <u>8.67</u>	3. _____
2 (M.A.S.L.)	<u>109.661</u>	2. <u>109.661</u>	3. _____
3 Time	<u>815AM</u>	2. <u>1015AM</u>	3. _____

This is Exhibit 32 mentioned and
referred to in the affidavit ofA. A. SobanskiSworn before me this 2nd day ofMay A.D., 1986
LA Commissioner, etc.

Project N° T660044 Project Name Waltham EPA. WAT 7-8

[illegible]

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Well DATA SHEET

H-676, p.24

Date MAR 12

(47)

Project No: T660014 Project Name: HALTON EPA.

Well being tested HC-16-86 Site F

Monitor Well WAT 7-9

Monitor Well description 1/2" Polytube

Measuring Point description Top of protective Casing

Elevation of Measuring Point 118.331

Height of Measuring Point above Ground 0.584

Elevation of Ground 117.747

Source of Elevations

Distance & location of
Monitoring Well

m North

Construction Details: 1 Screened Interval 90.171 to 89.031
(M.A.S.L) 2 Sealed Interval to

Static level (m below MP),	18.86	2	18.86	3	
2 (M.A.S.L)	98.887	2	98.887	3	
3 Time	815 AM	2	1015 AM	3	

This is Exhibit 33 mentioned and

referred to in the affidavit of

A. A. Solonchi

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

25

WAT 7-9

Date	Time	Elapsed Time	Depth from HP	Elev Masl	Draw down	Meas. by	Meas. Device
86.3.12	0815		18.86				
	1015		18.86				
	1215		18.86				
	1615		18.86				
86.3.13	1100		18.85				
	1215		18.85				
	1615		18.85				
86.3.14	0815		18.85				
	1015		17.85				
				No Response			

Well DATA SHEET

H-6767. (26)
Date MAR 12/86

Project No: FG6600HY Project Name MALTON EPA

Well being tested HC-16-86 Site F

Monitor Well WAT 7-10

Monitor Well description 1/2" Poly tube

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 118.331

Height of Measuring Point above Ground 0.584

Elevation of Ground 117.747

Source of Elevations _____

Distance + location of
Monitoring Well m North

Construction Details
(M.A.S.I.) 1 Screened Interval 87.827 to 186.687
2 Sealed Interval _____ to _____

Static level (m below MP), 1 25.71 2 25.71 3 _____
2 (M.A.S.L.) 1 92.621 2 92.621 3 _____
3 Time 1 815AM 2 1015AM 3 _____

This is Exhibit 34 mentioned and

referred to in the affidavit of

A. A. Sobarski

Sworn before me this 2nd day of

May A.D., 19 86


A Commissioner, etc.

27. d 969-H

Date

Well Data

Project No T6600H

Project Name Health EPA

WAT 7-16

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
86-3-12	0215						
	1015						
	1215						
	1615						
86-3-13	1100						
	1215						
	1615						
86-3-14	0515						
	1015						



Well DATA SHEET

Date ^{H-676P (28)} MAR 12/86

Project N°: T660044 Project NAME HALTON E.P.A.

Well being tested HIC-16-86- Site F

Monitor Well WAT 7-11

Monitor Well description 1/2" polytube

Measuring Point description Top of Protective CASING

Elevation of Measuring Point 118.331

Height of Measuring Point above Ground 0.584

Elevation of Ground 117.747

Source of Elevations _____

Distance + location of
Monitoring Well m North

Construction Details
(M.A.S.I.) 1 Screened Interval 85.077 to 83.927
2 Sealed Interval _____ to _____

Static level, (m below MP),	<u>16.21</u>	1	<u>16.21</u>	3	_____
2 (M.A.S.L.)	<u>102.121</u>	2	<u>102.121</u>	3	_____
3 Time	<u>8:15 AM</u>	2	<u>10:15 AM</u>	3	_____

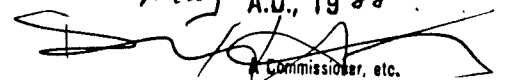
This is Exhibit 35 mentioned and

referred to in the affidavit of

A. A. Sobonzi

Sworn before me this 2nd day of

May A.D., 19 88


Commissioner, etc.

44-6969-29

WAT 7-11

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
3/6/3.12	0815		16.21				
	1015		16.21				
	1215		16.21				
	1415		16.21				
3/6/3.13	1100		16.21				
	1215		16.21				
	1415		16.21				
3/6/3.14	0815		16.21				
	1015		16.21				

Well DATA SHEETH-676 P. (30)
Date: MAR 12/86Project N^o: T6600HY Project Name HALTON E.P.A.

Well being tested TIC-16-86 - Site F

Monitor Well WAT 7-12

Monitor Well description 1/2" polytube

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 118.331

Height of Measuring Point above Ground 0.584

Elevation of Ground 117.747

Source of Elevations

Distance + location of
Monitoring Well m NorthConstruction Details 1 Screened Interval 82.237 to 81.167
(M.A.S.L.) 2 Sealed Interval to

Static level (m below MP),	9.26	9.26	
2 (M.A.S.L.)	109.071	109.071	
3 Time	815 AM	1015 AM	

This is Exhibit 36 mentioned and
referred to in the affidavit of

A. A. Solonari

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

MONITORING Well Data 1 of 1 Date H-676p. (31)

Project N^o _____ Project Name _____ WAT 7-12

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Well DATA SHEET

H-6761(82)
Date: MAR 12/86

Project No: TG600M4 Project Name: HALTON EPA

Well being tested: HC-16-86 Site F (TWI/86)

Monitor Well: MB 17-1

Monitor Well description: 1 1/4" Pipe

Measuring Point description: Top of Protective Casing

Elevation of Measuring Point: 116.26

Height of Measuring Point above Ground: 0.37

Elevation of Ground: 115.89

Source of Elevations: Elevations by Morrison Realty

Distance + location of Monitoring Well: ± 154 m West (from topo.)

Construction Details (M.A.S.L.)
1 Screened Interval 112.79 to 108.29
2 Sealed Interval 113.79 to 108.29

Static level, (m below MP),
2 (M.A.S.L.)
3 Time

1	2	3
<u>2.12m</u>	<u>2.13m</u>	<u>2.13</u>
<u>0822h</u>	<u>0918</u>	<u>0955</u>

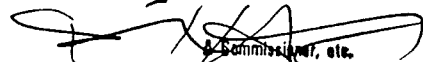
NB: MP = T.O.C. 4" PVC
= 0.10m a.g.l.

This is Exhibit 37 mentioned and referred to in the affidavit of

A. A. Sabanski

Sworn before me this 2nd day of

May A.D., 1986


Commissioner, etc.

H-676 (33)

Date Mar 12/86

Project No. TCGCHY Project Name: HAITON EOA

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
03-08-86	11:30 AM	0	2.14		0	A.B.	PT
—	11:40	10 min	2.14		0	A.B.	PT
—	11:50	20	2.14		0	A.B.	PT
—	11:55	25	2.14		0	A.B.	PT
—	12 PM	30	2.14		0	A.B.	PT
—	12:05	35	2.14		0	A.B.	PT
—	12:10	40	2.14		0	A.B.	PT
36-3-13	10:12	2.10					
	10:55	2.10					
						4.7.1.6	
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Source: <http://www.fishbase.org>

Journal of Management Education 36(7)

Journal of Management Inquiry 22(1)

Abstract

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¹ *Journal of the Philosophy of Education Society of Great Britain*, 32 (2001), 1.

Figure 1. The study area.

Downloaded from <http://ajphaphysocpharm.sagepub.com/>

bioRxiv preprint doi: <https://doi.org/10.1101/000000>; this version posted January 1, 2016. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

Figure 10.10: A 1D random walk

.....

Phosphorus and Nitrogen

Wolfgang Iser

[illegible]

Address: _____

adam@cs.cmu.edu; <http://www.adamrobertson.com/>

and the value of β is

Well DATA SHEET

H-676 (34)
Date: MAR 12/86

Project N° TGG0047 Project NAME HAITON EPA

Well being tested HC-16-8G Site F

Monitor Well MB17 #2

Monitor Well description 1 1/4" Pipe

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 116.36

Height of Measuring Point above Ground 0.45

Elevation of Ground 115.91

Source of Elevations Elevations by Morrison Beatty

Distance + location of Monitoring Well West

Construction Details (M.A.S.I.)
1 Screened Interval 101.31 to 99.31
2 Sealed Interval 101.91 to 99.31

Static level, (m below MP),
2 (M.A.S.L.)
3 Time

	1	2	3
1.15	1.15	1.15	1.15
0824	0918	0955	

MP = T.O.C. 4" PVC
= 0.10 m age

This is Exhibit 38 mentioned and
referred to in the affidavit of

A. A. Sobarski

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

4676p (35)

Haitian EPA

[illegible]

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Well DATA SHEET

Date: MAR 12/86 ^{H-676 P (36)}

Project N° T6600H4 Project NAME HALTON EPA

Well being tested HC-16-86- Site F

Monitor Well MB-17-3

Monitor Well description 1 1/4" Pipe

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 116.29

Height of Measuring Point above Ground 0.37

Elevation of Ground 115.92

Source of Elevations Elevations by Morrison Beatty

Distance + location of Monitoring Well m West

Construction Details (M.A.S.I.)
1 Screened Interval 95.82 to 93.62
2 Sealed Interval 96.41 to 93.62

Static level (m below MP), 8.18 2 8.18 3 8.18
2 (M.A.S.L.)
3 Time 1 0822 2 0918 3 0955

MP = TOC 4" PVC
= 0.30 m a.g.l.

This is Exhibit 39 mentioned and referred to in the affidavit of

A. A. Sabanski

Sworn before me this 2nd day of

May A.D., 1986

[Signature]
A Commissioner, etc.

③ 98/86-77-696

Project No 166044 Project Name Health E.P.A.

[illegible]

Well DATA SHEET

Dnt. ^{H-676 p. (38)}
86.3.12

Project No: T6600 H9 Project Name: Halton E.P.A

Well being tested TW 1/86 - Site F - Loc 16

Monitor Well MB 13-1

Monitor Well description 1 1/4" PVC TD 4.9

Measuring Point description Top of 4" outer protective casing

Elevation of Measuring Point 113.75

Height of Measuring Point above Ground +0.35m

Elevation of Ground 113.4

Source of Elevations

Distance + location of Monitoring Well ± 19 m West

Construction Details (M.A.S.L.)
1 Screened Interval 112.23 to 109.18
2 Sealed Interval to

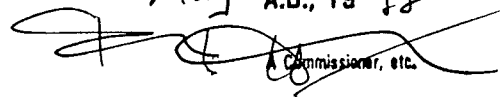
Static level (m below MP),	0.45	0.45	0.46
2 (M.A.S.L.)			
3 Time	0840	0907	1000

This is Exhibit 40 mentioned and referred to in the affidavit of

A. A. Solanki

Sworn before me this 2nd day of

May A.D., 19 88


Commissioner, etc.

DAF

Project No

Project Name

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
86.3.12	1203	33	0.455				
86.3.13	1005	1355	0.40				
	1105	1415	0.41				
	1217	1487	0.39				
86.3.20	0940		0.47				

Well DATA SHEETDate: 86.3.12 ^{H-676p} (40)

Project No: T6600 H4 Project Name: Holton E. PA.

Well being tested TW186 Site F Loc. 16

Monitor Well MB 13-2

Monitor Well description 1 1/4" PVC T.D. 12.5m

Measuring Point description top of outer protected casing (4" PVC)

Elevation of Measuring Point 113.85

Height of Measuring Point above Ground + 0.35m

Elevation of Ground 113.5

Source of Elevations

Distance + location of Monitoring Well ± 19.5m West

Construction Details: 1 Screened Interval 104.10 to 103.18
(M.A.S.L) 2 Sealed Interval to

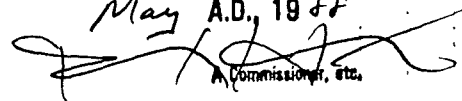
Static level (m below MP),	1 3.50	2 3.47	3 3.48
2 (M.A.S.L)	1	2	3
3 Time	1 0840	2 0907	3 1000

This is Exhibit 41 mentioned and referred to in the affidavit of

A.A. Sobanadi

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

Monitoring Well Data 1 of

Test Date 86.3.12 H676p.41

Project N° T6600 H4 Project Name Hutton Site F
MB13-2

Date	Time	Elapsed Time (min)	Depth from MP (metres)	Elev masl	Draw down (metres)	(ft)		Meas. by	Meas. Device
86.3.12	0840		3.50					L.T.C.	
	0907		3.47						
	1000		3.48						
	1123		3.49		0	0			
	1134	4	3.60		0.11	0.36			
		5	3.63		0.14	0.46			
		.6	3.67		0.18	0.59			
		8	3.75		0.26	0.85			
		9	3.78		0.29	0.95			
		11.5	3.86		0.37	1.21			
		15	3.97		0.48	1.57			
		17	4.03		0.54	1.77			
		21.5	4.14		0.65	2.13			
		25	4.24		0.75	2.46			
		30.5	4.37		0.88	2.89			
		39	4.55		1.06	3.48			
		46.5	4.70		1.21	3.97			
		60.5	4.94		1.45	4.76			
		72.5	5.13		1.64	5.38			
		84.5	5.31		1.82	5.97			
		104	5.55		2.06	6.76			
		125	5.81		2.32	7.61			
	1408	158	6.17		2.68	8.79		Northern	
	1437	197	6.44		2.95	9.68			
	1505	215	6.68		3.19	10.47			
	1535	245	6.93		3.44	11.29			
	1605	275	7.16		3.67	12.04			
	1705	335	7.56		4.07	13.35			
	1805	395	7.98		4.49	14.73			
		450	8.28		4.79	15.72			
		510	8.55		5.06	16.60			
		570	8.74		5.25	17.22			

Monitoring Well Data of Date H-676p (42)

Project No Project Name

Date	Time	Elapsed Time	Depth from HP	Elev. meas.	Draw down			Meas. by	Meas. Device
		630	8.89		5.40	17.72		Northern	
		690	8.69		5.20	17.06			
86-3-13	0150	860	8.90		5.41	17.75			
	0620	1130	9.95		6.46	21.19			
	0835	1265	9.65		6.16	20.21			
	1005	1355	9.73		6.24	20.17			
	1030	1380	9.765		6.28	20.60			
	1105	1415	9.78		6.29	20.64			
	1217	1487	9.83		6.34	20.60			
	1258	1528	9.86		6.37	20.70			
		RECOVERY							
	1300	0	9.86		0				
		2	9.86		0				
		4	9.87		-0.01				
		6	9.875		-0.015				
		8	9.865		-0.005				
		10	9.84		0.02				
		12	9.79		0.07				
		14	9.75		0.11				
		16	9.69		0.17				
		18	9.63		0.23				
		20	9.58		0.28				
		25	9.47		0.39				
		30	9.37		0.49				
		40	9.20		0.66				

Well DATA SHEETDate: H-676p (43)

Project No: _____ Project Name: _____

Well being tested TW1/86 site F Loc 16Monitor Well MB-13-3Monitor Well description 1 1/4" PVC TD 20.5mMeasuring Point description Top of 4" PVC outer protective casingElevation of Measuring Point 113.95Height of Measuring Point above Ground + 0.35mElevation of Ground 113.6

Source of Elevations _____

Distance + location of
Monitoring Well ± 19.5m WestConstruction Details
(M.A.S.I.) 1 Screened Interval 94.70 to 102.93
2 Sealed Interval _____ to _____Static level (m below MP), 1 5.11 2 5.19 3 5.12 av 5.14
2 (MASL) 1 _____ 2 _____ 3 _____
3 Time 1 0840 2 0907 3 1000This is Exhibit 42 mentioned and
referred to in the affidavit ofA. A. SabarskiSworn before me this 2nd day ofMay A.D., 1988
A Commissioner, etc.

86.3.12 H 676
P. (44)

MB 13-3

Date	Time	Elapsed Time	Depth from MP	Elev next	Draw down			Meas. by	Meas. Device
86-3-12	0840		5.11					L.T.L.	
	0907		5.19						
	1000		5.12						
	1123		5.10		0				
	1137	7	5.20		0.10				
		9.5	5.23		0.13				
		12.0	5.26		0.16				
		14.5	5.29		0.19				
		17.5	5.33		0.23				
		21	5.37		0.27				
		25.5	5.41		0.31				
		30	5.41?		0.31	?			
		38.5	5.54		0.44				
		46	5.61		0.51				
		60	5.73		0.63				
		72	5.82		0.72				
		84	5.87		0.77				
		103.5	6.00		0.90				
		125	6.14		1.04			V	
	11410	160	6.38		1.28				
	1440	190	6.55		1.45				
	1507	217	6.66		1.56				
	1537	247	6.85		1.75				
	1607	277	7.01		1.91				
	1708	338	7.30		2.20				
	1807	397	7.57		2.47				
	1910	460	7.58		2.48				
	2010	520	8.09		2.94				
	2110	580	8.21		3.11				
	2210	640	8.35		3.25				
	2310	700	8.38		3.28				

Monitoring Well Data of _____ Date _____ H-696 (43)

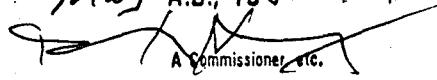
Project No _____ Project Name _____

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. Meas. Device
86.3.13	0150	860	8.48	3.38		Northern
	0620	1130	8.95	3.85		
	0835	1265	9.10	4.00		
	1005	1355	9.18	4.08		
	1035	1385	9.225	4.13		11.7.7.7
	1105	1415	9.23	4.13		11.7.7.7
	1217	1487	9.30	4.20		11.7.7.7
	1258	1528	9.30	4.20		11.7.7.7
		RECOVERY				
		0	9.30	0		11.7.7.7
		7	9.29	0.01		
		11	9.28	0.02		
		15	9.26	0.04		
		19	9.24	0.06		
		26	9.20	0.10		
		31	9.16	0.14		
		41	9.10	0.20		



Well DATA SHEETH-676p. (46)
Date MAR 12/86Project No: TCG00HY Project Name: HALTON E.P.A.Well being tested HC-16-86 Site F (TW1/86)Monitor Well HC-8-85-1Monitor Well description 1 1/4" Time PipeMeasuring Point description Top of Protective CasingElevation of Measuring Point 118.802Height of Measuring Point above Ground 0.802Elevation of Ground 118.0Source of Elevations Hydrology Consultants Oct 85 D. KefflerDistance + location of
Monitoring Well m WestConstruction Details
(M.A.S.L.) 1 Screened Interval 87.1 to 88.9
2 Sealed Interval 87.1 to 89.3Static level (m below MP), 1 9.84 2 9.84 3 9.84
2 (M.A.S.L.) 1 108.962 2 108.962 3 108.962
3 Time 1 930 2 1045 3 1245This is Exhibit 43 mentioned and

referred to in the affidavit of

A. A. SobanskiSworn before me this 2nd day ofMay A.D., 1986
A Commissioner, etc.

Monitoring Well Data of _____ Date _____

Project No _____ Project Name _____

Date	Time	Elapsed Time	Depth from HP	Elev	Drow	Meas. by	Meas. Device
8/6/3.13	1043	1393 Min	9.75	0	0	6.7.1.6	
1202		1470	9.75	0	0	6.7.1.6	



Well DATA SHEET

H-676 (48)
Date: MAR 12/86

Project N° TCGG0044 Project NAME HALTON E.P.A.

Well being tested HC-16-86 Site F

Monitor Well HC-8-85-2

Monitor Well description 1 1/4" Tinoco Pipe

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 118.802

Height of Measuring Point above Ground 0.802

Elevation of Ground 118.000

Source of Elevations Elevations by Morrison Bathy

Distance + location of Monitoring Well m West

Construction Details (M.A.S.L.)
1 Screened Interval 100.9 to 102.5
2 Sealed Interval 99.3 to 103.1

Static level (m below MP)	1	2	3
1	2.84	2.82	2.80
2 (M.A.S.L.)	115.962	115.982	115.942
3 Time	930	1045	1245

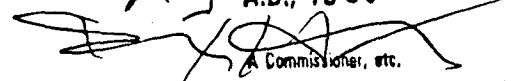
This is Exhibit 44 mentioned and

referred to in the affidavit of

A.A. Sobanski

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

Monitoring Well Data of Date

14-676 p. (49)

Project No _____ Project Name _____

Date	Time	Elapsed Time	Depth from HP	Elev	Drow	Meas. by	Meas. Device
86.3.13	1043	1293	2.85	0	0		
	1202	1472	2.85	0	0		

Well DATA SHEET

Date Mar 12/86 (50)
H676 P.

Project N° T6600114 Project NAME HALTON E.P.A.

Well being tested HC-16-86 Site F

Monitor Well HC-8-85-3

Monitor Well description 1 1/4" Tinco Pipe

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 118.802

Height of Measuring Point above Ground 0.802

Elevation of Ground 118.000

Source of Elevations Hydrology Consultants Oct 85 D. Keffler

(Distance + location of
Monitoring Well m West

Construction Details 1 Screened Interval 107.3 to 109.2
(M.A.S.L.) 2 Sealed Interval 106.4 to 109.5

Static level (m below MP),	<u>0.75</u>	2	<u>0.77</u>	3	<u>0.77</u>
2 (M.A.S.L.)	<u>118.052</u>	2	<u>118.032</u>	3	<u>118.032</u>
3 Time	<u>930 AM</u>	2	<u>1045 AM</u>	3	<u>1245 PM</u>

This is Exhibit 45 mentioned and

referred to in the affidavit of

A. A. Sobanski

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

MONITORING WELL DATA of Date H 691 p. 61

Project No _____ Project Name _____

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
8/6.3.13	1043	1393	0.79	0.02	0.03	1.7.1	1.7.1
	1202	1472	0.80				

Dtd - MAR 12/86 (52)
H-676 p.

Well DATA SHEET

Project No. TGGOOHY Project Name HALTONE P.A.

Well being tested HC-16-86 Site F

Monitor Well HC-8-85 #4

Monitor Well description 1 1/4" Timco Pipe

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 118.802

Height of Measuring Point above Ground 0.802

Elevation of Ground 118.000

Source of Elevations Hydrology Consultants. Oct 85. D Keffor

Distance + location of
Monitoring Well m West

Construction Details
(M.A.S.L.) 1 Screened Interval 111.6 to 115.6
2 Sealed Interval 111.1 to 116.2

Static level (m below MP),	<u>0.80</u>	2 <u>0.80</u>	3 <u>0.80</u>
2 (M.A.S.L.)	<u>118.002</u>	2 <u>118.002</u>	3 <u>118.002</u>
3 Time	<u>9:30 AM</u>	2 <u>10:45 AM</u>	3 <u>12:45 PM</u>

This is Exhibit 46 mentioned and

referred to in the affidavit of

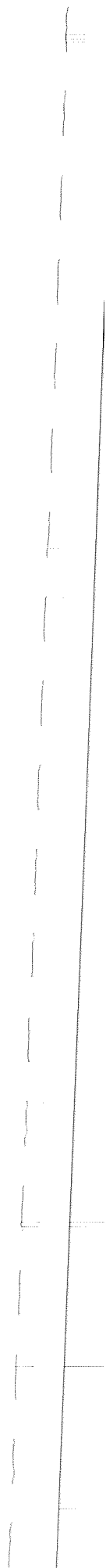
A. A. Sobarski

Sworn before me this 2nd day of

May A.D., 19 86

[Signature]
A Commissioner, etc.

Project No _____ Project Name _____



H-676 P. 56
Date Mar 12/86

Well Data Sheet

Project No: TCG00014 Project Name: HALTON E.P.A.

Well being tested HC-16-8C Site F

Monitor Well MB 16-2

Monitor Well description 1 1/4" Pipe

Measuring Point description Top of protective Casing

Elevation of Measuring Point 117.41

Height of Measuring Point above Ground 0.37

Elevation of Ground 117.04

Source of Elevations Elevations by Morrison Realty

(Distance + location of
Monitoring Well m East (from topo sheet)

Construction Details: 1 Screened Interval 102.44 to 100.98
(m.a.s.l.) 2 Sealed Interval 103.22 to 100.98 ??

Static level (m below MP),	1 <u>6.11</u>	2 <u>6.15</u>	3 <u>6.16</u>
2 (M.A.S.L.)	1 <u>111.30</u>	2 <u> </u>	3 <u> </u>
3 Time	1 <u>1020 AM</u>	2 <u>0803</u>	3 <u>0903</u>

NB. MP is 0.15 m a.g.l 86.3.12

This is Exhibit 48 mentioned and
referred to in the affidavit of

A. A. Sabarwal
Sworn before me this 2nd day of

May A.D., 19 86
[Signature]
Commissioner, etc.

Project No _____ Project Name _____

 ${}^0N$

Project Name

Date	Time	Elapsed Time	Depth from MP	Elev Meas	Drow	Meas.	by
26.3.12	11 ³⁰	0	6.11	C	0	Northern	
	1305	95	6.28		0.17		
	1513	223	6.70		0.59		
	1721	351	7.19		1.08		
	2125	595	8.06		1.95		
26.3.13	0845	1275	9.33		3.22	V	
	1000	1350	9.42		3.31	L.T.L.	
	1110	1420	9.51		3.40	L.T.L.	

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H-676 p. (58)
Date: MAR 12/86

Well DATA SHEET

Project No. T660047 Project Name HALTON E.P.A.

Well being tested H-16-86 Site F

Monitor Well MB-16-3

Monitor Well description 1 1/4" Pipe.

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 117.38

Height of Measuring Point above Ground 0.32

Elevation of Ground 117.06

Source of Elevations Elevations by Morrison Beatty

(Distance + location of
Monitoring Well m East

Construction Details (M.A.S.L.)
1 Screened Interval 97.86 to 95.86
2 Sealed Interval 97.86 to 95.86

Static level (m below MP),	<u>8.93</u>	2	<u>9.00</u>	3	<u>0900</u>
2 (M.A.S.L.)	<u>108.45</u>	2		3	
3 Time	<u>1020 AM</u>	2	<u>0805</u>	3	<u>0905</u>

NB MP is grade. 86.3.12

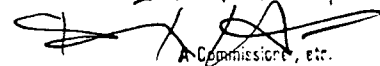
This is Exhibit 49 mentioned and

referred to in the affidavit of

A. A. Solonchuk

Sworn before me this 2nd day of

May A.D., 1986


A Commissioner, etc.

Date	Time	Elapsed Time	Depth from HP	Elev	Drow	Meas. Device
96.3.12	1130	0	8.93	0.00		
	1205	95	9.01	0.08		Nathan
	1515	225	9.025	0.095		
	1722	352	9.035	0.105		
	2125	595	9.04	0.11		
86.3.13	0845	1275	9.125	0.195		4
	1000	1350	9.12	0.19		L.T.L
	1110	1420	9.15	0.22		L.T.L

H-676 P. (60)
Date: MAR 12/86

Well DATA SHEET

Project No. TGCOOH4 Project Name HALTON EPA

Well being tested HIC-16-86 Site E (TW 1/86)

Monitor Well MB 12 - 1

Monitor Well description 1 1/4 PIPE

Measuring Point description Top of Pipe W. Side

Elevation of Measuring Point 123.2 masl.

Height of Measuring Point above Ground 1.2 m

Elevation of Ground 122.0 masl.

Source of Elevations Elevations by Morrison Bratty

(Distance + location of
Monitoring Well ± 234 m North (from topo sheet)

Construction Details (M.A.S.L.)
1 Screened Interval 120.48 to 117.43
2 Sealed Interval 121.39 to 117.43

Static level (m below MP),	<u>1.24</u>	<u>1.24</u>	<u>1.24</u>
2 (M.A.S.L.)	<u>121.96</u>	<u>121.96</u>	<u>121.96</u>
3 Time	<u>900</u>	<u>1000</u>	<u>1100</u>

This is Exhibit **50** mentioned and

referred to in the affidavits of

A. A. Sabarwal

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

Monitoring Well Data

1 of 1	Date	M/L 12/86 (61)
		H-676.p.

Project No 760044 Project Name

Date	Time	Elapsed Time	Depth	Elev	Draw	Meas. Device
03-12-86	1000m	90	124	121.96	0	A.B. PT
03-12-86	500m	330	124	121.96	0	A.B. PT
03-12-86	1000m	1440	119	122.61	-0.01	A.B. PT
03-13-86	1000m	1530	119	122.01	-0.01	A.B. PT
03-13-86	500m	240	118	122.62	Accuracy	A.B. PT
03-14-86	900m	1200	118	122.62	0	A.B. PT
03-14-86	1100m	1320	118	122.02	0	A.B. PT

Well DATA SHEET

Date: MAR 12 / 86 (62)

H-676 p.

Project No TGG0014 Project Name HALTON EPA

Well being tested HC-16-86 - Site F

Monitor Well MB-12-2

Monitor Well description 1 1/4 Timco Pipe

Measuring Point description Top of Pipe W. Side

Elevation of Measuring Point 123.0

Height of Measuring Point above Ground 1.2 m

Elevation of Ground 122.0

Source of Elevations Elevations by Morrissey Beatty

Distance + location of Monitoring Well m North

Construction Details (M.A.S.L.)
1 Screened Interval 112.25 to 111.33
2 Sealed Interval 114.69 to 111.33

Static level (m below MP),	<u>2.43</u>	<u>2.43</u>	<u>2.43</u>
2 (M.A.S.L.)	<u>120.57</u>	<u>120.57</u>	<u>120.57</u>
3 Time	<u>9:00 AM</u>	<u>10:00 AM</u>	<u>11:30 AM</u>

This is Exhibit 51 and is referred to in the affidavit of

referred to in the affidavit of

A. A. Sobanski
Sworn before me this 2nd day of

May A.D., 19 86

[Signature]
A Commissioner, etc.

H-676P (63)

Project N^o TG 600414 Project Name HALTON E.P.A.

[illegible]

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14-676p(64)
Date: March 12/86

Well DATA SHEET

Project N^o T6GCOM4 Project NAME Halton EPA

Well being tested HC-16-86 Site F

Monitor Well MB-12-3

Monitor Well description 1 1/4" Tinco Pipe

Measuring Point description Top of Pipe S. Side

Elevation of Measuring Point 124.1

Height of Measuring Point above Ground 1.2

Elevation of Ground 122.1

Source of Elevations Elevations by Morrison Beatty

Distance + location of Monitoring Well m North

Construction Details (M.A.S.I.)
1 Screened Interval 103.20 to 102.30
2 Sealed Interval 105.64 to 102.30

Static level (m below MP)	1	2	3
	3.63	3.63	3.63
2 (M.A.S.L.)	120.47	120.47	120.47
3 Time	9 ⁰⁰ AM	10 AM	11 ⁰⁰ AM

This is Exhibit 52 mentioned and referred to in the affidavit of

A.A. Sobarski

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

Project No TG6044 Project Name Haitas EPA.

H-6768

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
03-12-86	1:00 PM	90	363	120.47	0	A.B.	PT
03-12-86	5:00 PM	330	363	120.47	0	A.B.	PT
03-13-86	11:30 AM	1440	373	120.37	0.10	A.B.	PT
03-13-86	1:00 PM	1530	373	120.37	0.10	A.B.	PT
03-13-86	5:00 PM	2400	371	120.33	0.14	A.B.	PT
03-14-86	9:00 AM	1200	385	120.25	0.23	A.B.	PT
03-14-86	11:00 AM	1320	385	120.25	0.23	A.B.	PT

Well DATA SHEET

Date MAR 12/86

H-676-P.

Project No. TC60044 Project Name Halton EPA

Well being tested HC-1C-8G Site F (TWI/86)

Monitor Well HC-9-8G #1

Monitor Well description 1 1/4" Timco Pipe

Measuring Point description Top of protective Casing

Elevation of Measuring Point 106.31

Height of Measuring Point above Ground 0.80

Elevation of Ground 105.51

Source of Elevations Measured by H.C. Oct/85 - D. Keffer

(Distance + location of Monitoring Well ±312 m South (from topo))

Construction Details (M.A.S.L.)
1 Screened Interval 75.1 to 76.6
2 Sealed Interval 75.1 to 77.9

Static level (m below MP), 4.40 2 4.40 3 _____
2 (M.A.S.L.) 101.71 2 101.71 3 _____
3 Time 8:30 AM 2 10 AM 3 _____

This is Exhibit 53 mentioned and referred to in the affidavit of

A. A. Sabaneri
Sworn before me this 2nd day of

May A.D., 1986
[Signature]
A Commissioner, etc.

Monitoring Well Data 1 of 1 Date MARCH 12/86

Project N^o T660044 Project Name HAITON EPA

Date	Time	Elapsed Time	Depth from MP	Elev. near	Draw down	Meas. by	Meas. Device
03-12-86	12:15 AM	45	4.40	101.71	0	H.B	B.T.
03-13-86	10:30 AM	1380	4.39	101.72	-0.01	A.B	B-T
03-13-86	12:00 PM	1470	4.39	101.72	-0.01	A.B	B-T
03-13-86	5:15 PM	255	4.38	101.73	-0.01	A.B	B-T
03-14-86	8:00 AM	1140	4.33	101.78	-0.06	A.B	B-T
03-14-86	9:15 AM	1215	4.33	101.78	-0.06	A.B	B-T

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Well Data Sheet

H-676p (68)
Date MAR 12 / 86

Project No. T660044 Project Name HAITON E.P.A.

Well being tested HC-16-86 Site F

Monitor Well HC-9 #2

Monitor Well description 1 1/4 Tinco Pipe

Measuring Point description Top of protective Casing

Elevation of Measuring Point 166.31

Height of Measuring Point above Ground 0.80

Elevation of Ground 105.51

Source of Elevations Measured by HC Oct/85 - D. Ketter

Distance + location of Monitoring Well m South

Construction Details (M.A.S.I.)
1 Screened Interval 89.1 to 90.1
2 Sealed Interval 87.9 to 90.7

Static level (m below MP), 2.21 2 2.27 3 _____
2 (M.A.S.L.) 104.10 2 104.04 3 _____
3 Time 8:30 AM 2 10 AM 3 _____

This is Exhibit 54 mentioned and

referred to in the affidavit of

A. A. Sabanski

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

Monitoring Well Data

1 of

Date MAR 12/86 p. (69)

Project № П6600Н4

Halton EPA

[illegible]

Well DATA SHEET

Date: MAR 12/86 (70)
#676P

Project No: T6600HY Project Name: HALTON E.P.A.

Well being tested HC-16-8G Site F

Monitor Well HC-9 #3

Monitor Well description 1 1/4" Tinco Pipe

Measuring Point description Top of protective Casing

Elevation of Measuring Point 106.31

Height of Measuring Point above Ground 0.79

Elevation of Ground 105.52

Source of Elevations Measured by HC Oct /85 - D. Ketter

Distance + location of
Monitoring Well in South

Construction Details
(M.A.S.L.) 1 Screened Interval 96.5 to 98.0
2 Sealed Interval 96.5 to 98.6

Static level (m below MP),	<u>2.000</u>	2. <u>2.070</u>	3. _____
2 (M.A.S.L.)	1. <u>104.31</u>	2. <u>104.24</u>	3. _____
3 Time	1. <u>830 AM</u>	2. <u>1000 AM</u>	3. _____

This is Exhibit 55 mentioned and
referred to in the affidavit of

A. A. Subanski

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

H-676 p.

Project N^o JG60044 Project Name HAIRW EPA.

[illegible]

Well DATA SHEET

Date MAR 12/86 (72)
H-676P

Project No T660044 Project Name HAITON E.P.A.

Well being tested HC-16-86 Site F

Monitor Well HC-9-85-#4

Monitor Well description 1 1/4" Timco Pipe

Measuring Point description Top of Protective Casing

Elevation of Measuring Point 106.31

Height of Measuring Point above Ground 0.79

Elevation of Ground 105.52

Source of Elevations Measured by HC Oct/85 D. Koller

Distance + location of Monitoring Well m South

Construction Details (M.A.S.L.)
1 Screened Interval 100.7 to 103.8
2 Sealed Interval 100.4 to 104.4

Static level (m below MP),
1 1.99 2 2.10 3 _____
2 (M.A.S.L.) 104.32 2 104.21 3 _____
3 Time 830 AM 2 10 AM 3 _____

This is Exhibit 56 mentioned and referred to in the affidavit of

A. A. Sobanski
Sworn before me this 2nd day of

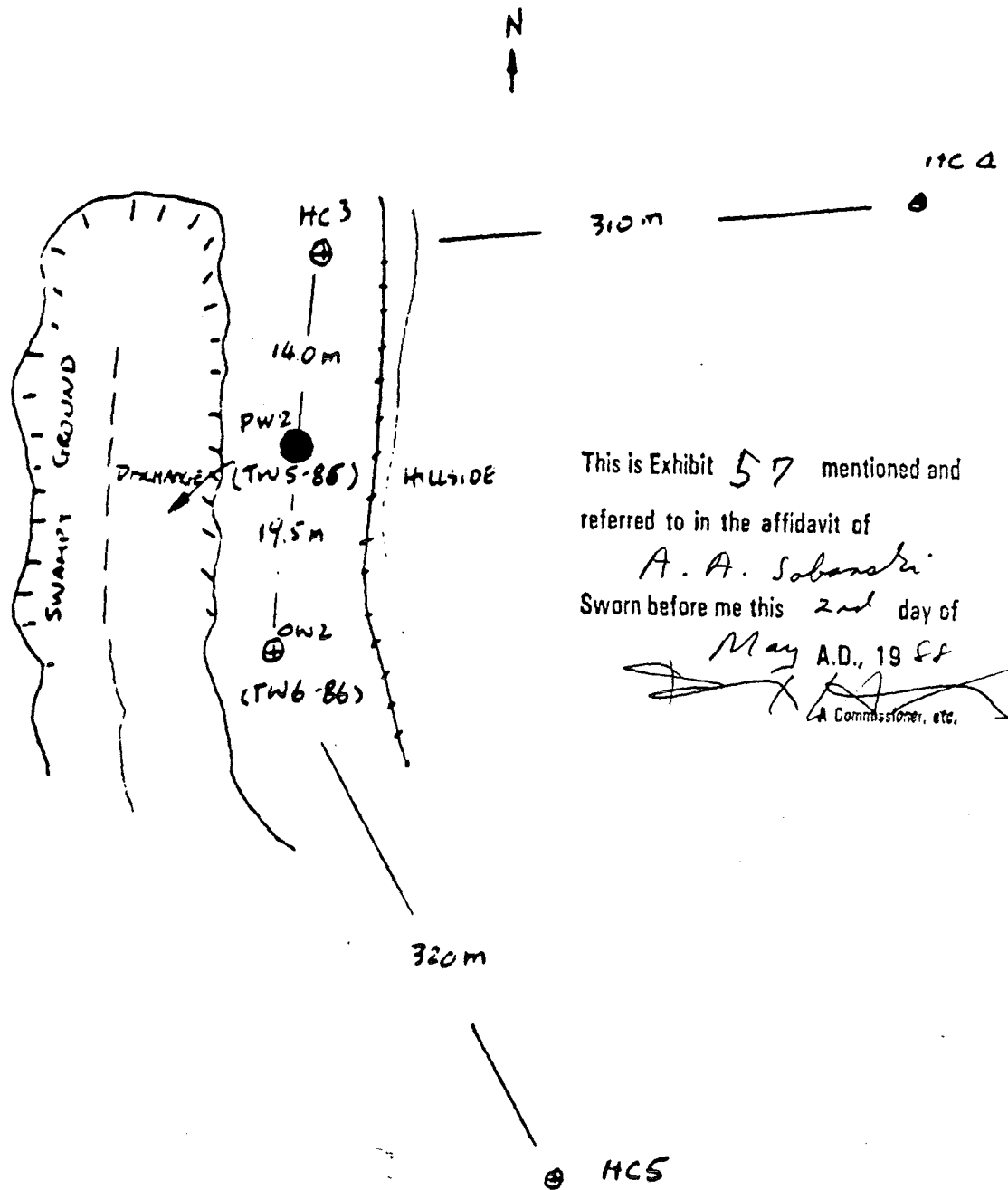
May A.D., 19 86

[Signature]
A. Commissioner, etc.

H-676 p.

[illegible]

SITE F
PUMPING TEST



This is Exhibit 57 mentioned and
referred to in the affidavit of

A. A. Sobarski

Sworn before me this 2nd day of

May A.D., 19 *88*

[Signature]
LA Commissioner, etc.

Exhibit H-84
Addendum I, p. 2.

PUMPING TEST NO. 2 (PW2)
FOR MASTER PLAN, REFER TO DRAWING NO 5
SITE F

Well Data SHEET

Project No. _____

Well being tested _____

Monitor Well _____

Monitor Well description _____

Measuring Point description _____

Elevation of Measuring Point _____

Height of Measuring Point above Ground _____

Elevation of Ground _____

Source of Elevations _____

Distribution location of _____

Monitoring Well _____

Construction Details _____

uncased
Interval _____
to _____

2 Sealed Interval _____

to _____

Static level (in between MP) _____

2 MAST _____

3 Time _____

1003	3.51	1045	3.51	1240	3.51
------	------	------	------	------	------

- Q measured with rotameter as 15 l/min, checked by timing discharges into known volume (360/92)

- discharge piped 25m from pumping well into adjacent stream valley, prior to test area had frozen and standing water, route of water can be traced from drain valley where it joins up with stream water discharges from landfill.

- during preliminary tests, car from water company found at 8.7m and 11.7m 498.

all core for 8.8m 11.7m 498

Date: 26.3.20
H-696 p. 74

Project Name Hutton E.P.A

TW5/86 AC 17-1-86

TW5/86 (pumping well)

152mm ID well TO 15.57m b.g.

TQC - steel

EL 139.395

EL 139.147

58

mentioned and referred to in the affidavit of A.A. S. dated 19.9.88

This is Exhibit referred to in the affidavit of A.A. S. dated 19.9.88

Sworn before me this 19th day of May

A.D. 1988

19.9.88

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19.9.88

(75)

Date 86.3.20

1 of 3

MONITORING Well Data

H-6969

Site Loc 17

Pumping Well TWS/86

Project No T6677

Project Name

Meas. Meas.	Meas. by	Draw	Elev	Depth	Time	Date
-------------	----------	------	------	-------	------	------

		0		3.51m	0	86.3.20 1300h
--	--	---	--	-------	---	---------------

		0.61		4.12	1	
		0.76		4.27	2	
		0.92		4.43	3	
		1.03		4.54	4	
		1.09		4.60	5	
		-		-	6	
		1.17		4.68	7	
		1.32		4.83	8	
		1.33		4.84	9	
		1.40		4.91	10	
		1.46		4.97	12	
		1.52		5.03	14	
		1.59		5.10	16	
		1.63		5.14	18	
		1.72		5.23	20	
		1.84		5.35	25	
		1.96		5.47	30	
		2.06		5.57	35	
		2.14		5.65	40	
		2.23		5.74	45	
		2.31		5.82	50	
		2.40		5.91	55	
		2.55		6.06	60	
		2.66		6.17	70	
		2.75		6.26	80	
		2.80		6.31	90	
		2.92		6.43	100	
		3.00		6.51	110	
		3.09		6.60	120	1500h
		3.26		6.77	140	
		3.47		6.98	160	
		3.51		7.02	180	1600h

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(76)

Date 86.3.20

2 of 3

MONITORING Well Data

Site F Well 17 Pumping well 7WS/86
Project Name Project No 76600

Date	Time	Elapsed Time	Depth from HP	Elev Meas	Draw down	Meas. by	Meas. Device
------	------	--------------	---------------	-----------	-----------	----------	--------------

86.3.20	1630	210	7.24	3.73			
	1700	240	7.39	3.88			
		270	7.55	4.04			
	1800	300	7.68	4.17			
		330	7.91	4.40			
		420	7.19	4.68			
		480	8.40	4.89			
		540	8.58	5.07			
		600	8.76	5.25			
	2100	660	8.99	5.48			
86.3.21	0200	780	9.20	5.69			
	0400	900	9.44	5.93			
	0600	1020	9.70	6.19			
	0800	1140	9.92	6.41			
	1000	1260	10.43	6.92			
	1200	1380	10.66	7.15			
	1300	1440	10.84	7.33			

[illegible]



Well DATA SHEETH-676p. (78)
Date: 86.3.20Project No: _____ Project NAME Halton EPAWell being tested TW5/86Monitor Well TW 6/86 (not purged)Monitor Well description 152mm ID well T.D. 15.79m b.g.lMeasuring Point description. T.O.C. steelElevation of Measuring Point EL 138.540Height of Measuring Point above Ground 0.25mElevation of Ground EL 138.247Source of Elevations R2muds, H.C. March 16, 1986Distance + location of
Monitoring Well 19.5m southConstruction Details ^{uncased}
(M.A.S.L.) 1 ~~Screened~~ Interval 7.97 to 15.79m b.g.l
2 Sealed Interval _____ to _____

Static level ₁ (m below MP),	<u>2.70</u>	<u>2.68</u>	<u>2.70</u>
2 M.A.S.L.)	<u>1</u>	<u>2</u>	<u>3</u>
3 Time	<u>1003</u>	<u>1003</u>	<u>1240</u>

water found at 11.9m K.G.L.This is Exhibit 59 mentioned and
referred to in the affidavit ofA.A. SobantriSworn before me this 2nd day ofMay A.D., 1986[Signature]
A Commissioner, etc.

MONITORING Well Data 1 of 3 Date 86.3.20 (79)

Project No 76600
 Project Name Site F. Loc 17
 H87xP. Test WS/86 date 4/2/86

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
86.3.20	1300	0	2.70	0	0	1.7.L	
		0.5	2.70	0	0		
	1	2.73	0.03				
	1.5	2.75	0.05				
	2	2.79	0.09				
	2.5	2.82	0.12				
	3	2.85	0.15				
	3.5	2.88	0.18				
	4	2.91	0.21				
	4.5	2.94	0.24				
	5	2.97	0.27				
	6	3.02	0.32				
	7	3.08	0.38				
	8	3.13	0.43				
	9	3.18	0.48				
	10	3.22	0.52				
	12	3.30	0.60				
	14	3.38	0.68				
	16	3.45	0.75				
	18	3.51	0.81				
	20	3.57	0.87				
	27	3.74	1.04				
	34	3.91	1.21				
	42	4.05	1.35				
	50	4.19	1.49				
	60	4.33	1.63				
	70	4.50	1.80				
	80	4.59	1.89				
	90	4.69	1.99				
	100	4.79	2.09				
1500	120	4.97	2.27				
	140	5.20	2.5				Meas. by
	160	5.32	2.62				

MONITORING Well Data 2 of 3 Date 86.3.20 H^{67%}_{p.} (80)

Project No 76600 Project Name Test of TW5/86 date for TW6/86

Date	Time	Elapsed Time	Depth from MP	Elev mast	Draw down			Meas. by	Meas. Device
86-3-20	1600	180	5.44		2.74			Nathan	
		210	5.66		2.96				
	1700	240	5.81		3.11				
		270	5.97		3.27				
	1800	300	6.10		3.40				
		360	6.38		3.68				
		420	6.61		3.91				
		480	7.00		4.30				
		540	7.10		4.4				
		600	7.18		4.48				
	2400	660	7.35		4.65				
86-3-21	0200	780	7.61		4.91				
	0400	900	7.85		5.15				
	0600	1020	8.19		5.49				
	0800	1140	8.37		5.67				
	1000	1260	8.68		5.98				
	1150	1370	8.87		6.17				
	1207	1387	8.91		6.21				
	1245	1425	8.96		6.26			L.T.L	Schnst
	1301	1450	8.98		6.28			Nathan	

MONITORING Well Data 3 of 3 Date 86.3.21 H¹²⁶ (81)

Project N^o T6600

Project Name

Site F Loc 17

Recovery - TW6/86 data

Date	Time	Elapsed Time	Depth from HP	Elev. m asl	Recovery Drawdown			Meas. by	Meas. Device
			TOC -						
86.3.21	1300h	0	8.98		0			L.T.L	
		0.5	8.985		-0.005				
		1	8.975		0.005				
		1.5	8.96		0.02				
		2	8.94		0.04				
		3	8.89		0.09				
		4	8.83		0.15				
		5	8.77		0.21				
		6	8.71		0.27				
		7	8.655		0.33				
		8	8.605		0.38				
		9	8.55		0.43				
		10	8.51		0.47				
		12	8.43		0.55				
		14	8.35		0.63				
		16	8.29		0.69				
		18	8.22		0.76				
		20	8.155		0.83				
		25	8.02		0.96				
		30	7.90		1.08				
		35	7.80		1.18				
		40	7.70		1.28				
		45	7.61		1.37				
		50	7.53		1.45			A.B	
		55	7.43		1.55				
		60	7.36		1.62				
		70	7.30		1.68				
		80	7.15		1.83				
		90	7.02		1.96				
		100	6.92		2.06				
		110	6.83		2.15				
		120	6.76		2.22				

Well Data Sheet

DATE MAR 17-21/86 (82)
H 676 p.

Project No. TCG0044 Project Name HALTON EPA

Well being tested HC-17-#1-86 Site F

Monitor Well Site F HC-3-85 #A(1)

Monitor Well description 1/2" Tinco Pipe

Measuring Point description Top of Protective Casing

Elevation of Measuring Point

Height of Measuring Point above Ground

Elevation of Ground 140.32

Source of Elevations Hydrology Consultants D.K. Smith Co. 1985

Direction & location of Monitoring Well N North

Construction Details
(m.c.) 1 Screened Interval to
2 Sealed Interval to

Static level (m below MP)	1	2	3
1	1388	1390	1390
2	1388	1390	1390
3	730	1015	12

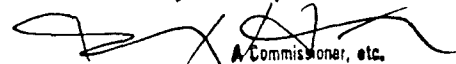
This is Exhibit 60 mentioned and

referred to in the affidavit of

A.A. Sabonara

Sworn before me this 2nd day of

May A.D., 1986


Commissioner, etc.

MONITORING Well Data 1 of 1 Date MARCH 20-21 / 86

Project N^o TLC0044 Project Name Halton Region H676 (83)
Site F HP-3-85-#A

[illegible]

Well DATA SHEET

H 696 (84)
Date: 8.6.3.20

Project No: _____ Project Name _____

Well being tested TW5/86

Monitor Well HC 3-B

Monitor Well description _____

Measuring Point description. _____

Elevation of Measuring Point _____

Height of Measuring Point above Ground _____

Elevation of Ground _____

Source of Elevations _____

Distance + location of
Monitoring Well 14.0m north

Construction Details 1 Screened Interval _____ to _____
(M.A.S.L) 2 Sealed Interval _____ to _____

Static level (m below MP),	<u>5.36</u>	<u>5.35</u>	<u>5.36</u>
2 M.A.S.L)	<u>1</u>	<u>2</u>	<u>3</u>
3 Time	<u>7.30</u>	<u>10.15</u>	<u>12.00</u>

This is Exhibit 61 mentioned and

referred to in the affidavit of

A. A. Subaneri

Sworn before me this 2nd day of

May A.D., 1988

[Signature]
A Commissioner, etc.

MONITORING Well Data 1 of Date 86.3.20 H676 p. (85)

Project N° T6600 Project Name Site F Loc 17
T611 TWS/86 data for HC 3B

Date	Time	Elapsed Time	Depth from MP	Elev masl	Draw down			Meas. by	Meas. Device
86.3.20	1300h	0	5.36		0			A.B.	
		1	5.49		0.13				
		2	5.58		0.22				
		3	5.63		0.27				
		4	5.69		0.33				
		5	5.75		0.39				
		6	5.80		0.44				
		7	5.85		0.49				
		8	5.89		0.53				
		9	5.93		0.57				
		10	5.97		0.61				
		12	6.03		0.67				
		14	6.09		0.73				
		16	6.15		0.79				
		18	6.20		0.84				
		20	6.25		0.89				
		25	6.32		1.02				
		30	6.48		1.12				
		35	6.58		1.22				
		40	6.66		1.30				
		45	6.74		1.38				
		50	6.82		1.46				
		55	6.89		1.53				
		60	6.95		1.59				
		70	7.10		1.74				
		80	7.20		1.84				
		90	7.28		1.92				
		100	7.38		2.02				
		110	7.48		2.12				
		120	7.55		2.19				
		140	7.74		2.38			Not there	
		160	7.86		2.50				
		180	7.98		2.62				

Monitoring Well Data 2 of 2
 Date 86.3.20
 Project No 16600
 Project Name Site F. Lot 17
 7014705/86
 Date for HC 375
 4606 (86)

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
86.3.20	210	8.19		3.83			
	240	8.34		2.98			
	270	8.50		3.14			
	300	8.63		3.27			
	360	8.89		3.53			
86.3.21	0600	10.56		5.2			
0800	1140	10.78		5.42			
1000	1260	11.13		5.17			
1205	1380	11.35		5.99			
1250	1430	11.44		6.68			

MONITORING Well Data

1 of 1

Date MARCH 21/86

(87)

Project N^o T6600114 Project Name Haltom EPA

H676 P.

Site F HC-3-85 #B

Recovery

Date	Time	Elapsed Time	Depth from MP	Elev masl	Draw down		Meas. by	Meas Device
03-21-86	100 PM	0	11.45		0		A.B	PS
	101	1	11.37		0.08			
	102	2	11.26		0.19			
	103	3	11.21		0.24			
	104	4	11.12		0.33			
	105	5	11.05		0.40			
	106	6	11.00		0.45			
	107	7	10.97		0.48			
	108	8	10.92		0.53			
	109	9	10.89		0.56			
	110	10	10.85		0.60			
	112	12	10.77		0.68			
	114	14	10.73		0.72			
	116	16	10.68		0.77			
	118	18	10.64		0.81			
	120	20	10.56		0.89			
	125	25	10.46		0.99			
	130	30	10.34		1.11			
	135	35	10.26		1.19			
	140	40	10.16		1.29			
	145	45	10.09		1.36			
	150	50	10.01		1.44			
	155	55	9.95		1.50			
	200	60	9.89		1.56			
	210	70	9.82		1.63			
	220	80	9.69		1.76			
	230	90	9.60		1.85			
	240	100	9.53		1.92			
	250	110	9.45		2.00			
✓	200	120	9.38		2.07			

Well DATA SHEET

H 676 p. (88)
Date: 96.3.20

Project No: _____ Project NAME _____

Well being tested TW5/86

Monitor Well HC3-C

Monitor Well description _____

Measuring Point description. _____

Elevation of Measuring Point _____

Height of Measuring Point above Ground _____

Elevation of Ground _____

Source of Elevations _____

Distance + location of
Monitoring Well

14.0m north

Construction Details 1 Screened Interval _____ to _____
(m asl) 2 Sealed Interval _____ to _____

Static level, (m below MP),	<u>5.30</u>	=	<u>5.29</u>	=	<u>5.30</u>
2 M A S L)	<u>1</u>		<u>2</u>		<u>3</u>
3 Time	<u>735</u>	=	<u>1015</u>	=	<u>1200</u>

This is Exhibit 62 mentioned and
referred to in the affidavit of

A. A. Sobantri

Sworn before me this 2nd day of

May A.D., 19 88

[Signature]
A Commissioner, etc.

MONITORING Well Data 1 of Date 86.3.20 (89)

H876P.

Project N° T6630 Project Name Site F Loc 17
to 10 TWS 186 data for HC3-C

Date	Time	Elapsed Time	Depth from MP	Elev masl	Draw down			Meas. by	Meas. Device
86.3.20	1300	0	5.30		0				
	1301	1	5.36		0.06				
		2	5.41		0.11				
		3	5.46		0.16				
		4	5.50		0.20				
		5	5.54		0.24				
		6	5.58		0.28				
		7	5.61		0.31				
		8	5.64		0.34				
		9	5.68		0.38				
		10	5.71		0.41				
		12	5.78		0.48				
		14	5.82		0.52				
		16	5.87		0.57				
		18	5.91		0.61				
		20	5.96		0.66				
		32	6.18		0.88				
		35	6.23		0.93				
		40	6.32		1.02				
		45	6.41		1.11				
		50	6.46		1.16				
		55	6.53		1.23				
		60	6.59		1.29				
		70	6.74		1.44				
		80	6.83		1.53				
		90	6.90		1.6				
		100	6.99		1.69				
		110	7.10		1.8				
		120	7.17		1.87				
		140	7.37		2.07				
		160	7.47		2.18				
		180	7.58		2.28				
		210	7.77		2.47				
		240	7.94		2.64				

MONITORING Well Data 2 of Date 86.3.20

Project No T6600 Project Name Site F 60517 date for HC32
 H-6268
 86.3.15/86

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
86.3.20		270	8.10		2.80		
		300	8.22		2.92		
	1900	360	8.47		3.17		
		420	8.69		3.39		
		480	8.88		3.58		
		540	9.06		3.76		
		600	9.23		3.93		
2400		660	9.40		4.10		
0200		780	9.60		4.3		
0400		900	9.87		4.57		
0600	1020	997	9.97		4.67		
0800	1140	10.13			4.83		
1000	1260	10.15			4.85		
1200	1380	10.43			5.13		
1250	1430	10.56			5.16		

Date March 21 / 86

Project N^o TLC-00 H4 Project Name Halton E.P.A.
Site F. HC-3-85-#C Recovery

Recovery

[illegible]

Well Data Sheet

DN - MAR 21 / 86 (92)

#676p.

Employed by TUGBOOHY Project Name HALTON EPA

Well being tested Site F HC-17-#1-86

Monitor Well Site F HC-3-85-#D

Monitor Well description 1/2" Tinco Pipe

Measuring Point description Top of Protective Casing

Elevation of Measuring Point

Height of Measuring Point above Ground

Elevation of Ground

Source of Elevations Hydrology Consultants D Kettle & Co

Distance & location of Monitoring Well m North

Construction Details 1 Screened Interval to
(m) 2 Sunk Interval to

Static level (m below MP)	1.04	1.04	1.30
2 M A S L			
3 Time	7:30	10:15	12:00

This is Exhibit 63 mentioned and

referred to in the affidavit of

A. A. Sabanski

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

MONITORING Well Data / of / Date April 20-21/86

Project No T66044 Project Name Hatcher E.P.A. H696P.

Site HC-3-85-D

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
0320-86	100 PM	0	1.30	0	0	AB	PT
	120	20	1.30	0	0		
	125	25	1.30	0	0		
	200	60	1.30	0	0		
0321-86	1245	1425	105	-25	Recovery		
0321-86	100 PM	0	105	0	0	AB	PT
	130	30	105	0	0		
	200	60	105	0	0		
	230	90	105	0	0		
	300	120	105	0	0		

Well Data Sheet

Date Mar¹⁹ 21 / 86 (94)

Project No T660044 Project Name Halton Region

H 676 p.

Well being tested HC-17-1-86

Monitor Well HC-3-E-85

Monitor Well description 1 1/2" Tinco Pipe

Measuring Point description Top of Protective Casing

Elevation of Measuring Point _____

Height of Measuring Point above Ground _____

Elevation of Ground _____

Source of Elevations Hydrology Consultants D. Keller - Oct 85

Direction / Location of
Monitoring Well

N North

Construction Details 1 Screened Interval _____ to _____
(meters) 2 Sealed Interval _____ to _____

Static level (m below MP) 1 1.18 2 1.20 3 1.18

2 (M.A.S.L.)

3 Time

1 730

2 1015

3 1200

This is Exhibit 64 mentioned and

referred to in the affidavit of

A.A. Sabenski

Sworn before me this 2nd day of

May A.D., 1986
[Signature]
Commissioner, etc.

Well Data Sheet

DATE MAR 19-21/86

96

Project No. T66004M Project Name Halton EPA H 676P

Well being tested HC-17-1-86

Monitor Well HC-4-1-4-85

Monitor Well description 1 1/4" Tinco Pipe

Measuring Point description Top of each pipe

Elevation of Measuring Point

Height of Measuring Point above Ground 1.2-

Elevation of Ground 1.2-137.40 3.4-137.54

Source of Elevations Hydrology Consultants D. Keffer Oct 85

Distance & bearing of Monitoring Well N East

Construction Details 1 Screened Interval to
(meters) 2 Sealed Interval to

Static level (in Lake MP), See following page

2 (in ASL)

3 Time

This is Exhibit 65 mentioned and

referred to in the affidavit of

A. A. Solondz

Sworn before me this 2nd day of

May A.D. 1986


A Commissioner, etc.

86.3.19-21 (97)

Project Name

H 676 p.

HC-4-85

4

Dep. Mayor 19-21/26

Well being tested HIC-17-1-86 (TW 5'86)

Monitor Well description 1 1/4" Tinoco Pipe

Measuring Point description. Top of each Pipe.

Elevation of Measuring Point

Height of measuring point above ground

Elevation of Ground 1, 2 - 123.87 3, 4 - 125.99

Source of Elevations: Hydrology Consultants D. Keller, Oct 185

Distance & location of
Monksbury Wall _____ m South

Construction Details: 1 Screened Interval _____ t_a _____
2 Sealed Interval _____ t_g _____

Static level (in below MP), See Following Pg

2 (M A: L)

2. True

This is Exhibit 66 mentioned and

referred to in the affidavit of

A. A. Sobushka

Sworn before me this 2nd day of

May A.D., 1988

~~A. Commissioner, etc.~~

MONITORING Well Data

of

Date 86.3.19-21

(99)

H 676 P.

Project No

Project Name

S.F. HC-5-85

Date	Time	Elapsed Time	Depth from MP	Elev masl	Draw down			Meas. by	Meas. Device
86.3.19	1700		12.93					AB	
86.3.20	0700		12.88					↓	
3.20	0930		12.88					↓	
3.21	1230	1410 pump	12.84					R2	
3.21	1510	130 run	12.84	No change				AB	
3.19	1700		7.65	No change				AB	
3.20	0700		7.65					↓	
3.20	0930		7.65					↓	
3.21	1230	1410 pump	7.68					R2	
3.21	1510	130 run	7.68					AB	
3.19	1700		2.07	No change				AB	
3.20	0700		2.08					↓	
3.20	0930		2.09					↓	
3.21	1230	1410 pump	2.15					R2	
3.21	1510	130 run	2.15					AB	
3.19	1700		1.04						
3.20	0700		1.02	No change					
3.20	0930		1.01						
3.21	1230	1410 pump	0.99						
3.21	1510	130 run	0.99					AB	

PUMPING TEST

WAT3
⊕

63m

OW3-86, TW4/86
⊕

This is Exhibit 67 mentioned and
referred to in the affidavit of

A.A. Sobonari

Sworn before me this 2nd day of

May A.D., 19FF


A Commissioner, etc.

26.6m

32.5
⊕

PW3

⊕ (TW3/86)

8.6m

⊕

WAT5

70m

⊕ MB 11

WAT6 ⊕ 5a

H-84, Addendum I,
p. 3

PUMPING TEST NO 3 (PW3)

FOR MASTER PLAN, REFER TO DRAWING NO 5

SITE F

Well Data Sheet

Test Date 86.3.26 (100)

H 676 p.

Project No. TCG00

Project Name. t/Alton EPA

Well being tested HC-18-86-#1

(TW3/86)

This is Exhibit 68 mentioned and

Monitor Well HC-18-86-#1 TW3/86

referred to in the affidavit of

A. A. Solonchi

Monitor Well description 6" Steel Casing Sworn before me this 2nd day of

Measuring Point description Top of Steel Casing

May A.D., 1986

A Commissioner, etc.

Elevation of Measuring Point EL 130.059

Height of Measuring Point above Ground 0.68m

Elevation of Ground EL 129.466

Source of Elevations Trow 1986 March 18, R. Imuda

Distance & location of Monitoring Well 0m

Construction Details (minal)

1. Uncased interval	2.52 - 7.52 m bgl
2. Screened interval	NA to NA
3. Sealed interval	NA to NA

Static level (m below MP)

1. 1.85	2. 1.79	3. 1.72
1. 0745	2. 0814	3. 0900

- depth of well is 8.20m below top of casing.
- $Q = 1.8$ l/min - measured with rotameter & confirmed by timing discharge into a known volume. (33A11L)
- discharge from test piped to adjacent creek which flows by WAT 5
- test date 86.3.26 0905 - 1605 h.

could not tell where water was coming from

86.3.26

Date

1 of 2

Monitoring Well Data

Project No TUGGHH Project Name

Production Well

Date	Time	Elapsed Time	Depth from HP	Elev	Draw	Meas. by	Meas. Device
03.26.86	905	0	1.790		0	Don	recup PT
	906	1	2.205		4.75		
	907	2	2.345		5.55		
	908	3	2.435		6.45		
	909	4	2.525		7.35		
	910	5	2.595		8.05		
	911	6	2.685		8.95		
	912	7	2.750		9.60		
	913	8	2.825		10.55		
	914	9	2.880		10.90		
	915	10	2.945		11.55		
	917	12	3.065		12.75		
	917	14	3.165		13.75		
	921	16	3.240		14.50		
	923	18	3.326		15.30		
	925	20	3.395		16.05		
	930	25	3.525		17.35		
	935	30	3.66		18.70		
	940	35	3.740		19.50		
	945	40	3.800		20.10		
	950	45	3.855		20.65		
	955	50	3.910		21.20		
	1000	55	3.97		21.80		
	1005	60	4.030		22.40		
	1015	70	4.045		22.55		
	1025	80	4.050		22.60		
	1035	90	4.085		22.95		
	1045	100	4.175		23.85		
	1055	110	4.285		24.95		
	1105	120	4.344		24.55		
	1125	140	4.375		24.35		
	1145	160	4.430		24.30		
	1205	180	4.480		24.40		
	1225	200	4.530		24.40		
	1245	220	4.530		24.40		

Well Data Sheet

104
Date Mar 26-1986

Project No. TCG00419 Project Name: Halton EPA

H-626p.

Well being tested HC-18-86-#1 (TW3186)

Monitor Well Wat 5 #1

Monitor Well description 1/2 poly tube

Measuring Point description Top of protective casing

Elevation of Measuring Point 128.373

Height of Measuring Point above Ground 0.863

Elevation of Ground 127.510

Source of Elevation University of Waterloo

Distance & location of Monitoring Well 8.6 m South West

Construction Details
(meters)
1 Screened Interval NA to NA
2 Sealed Interval 122.420 to 120.887

Static level (m below MP)
1 127.0 127.0
2 (TASLI) 127.103 127.103
3 Time 830 AM 900 AM

This is Exhibit 69 mentioned and

referred to in the affidavit of

A. A. Sabaneri

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

MONITORING Well Data 1 of 2 Date MAR 26/86
H 676 p.

Project N° 71660044 Project Name HA HA EPA
WAT 5 #1

Date	Time	Elapsed Time	Depth from MP	Elev masl	Draw down		Meas. by	Meas Device
MAR 26/86	905	0	1.27		0		AB	FT ₁₀
	906	1	1.27		0			
	907	2	1.27		0			
	908	3	1.27		0			
	909	4	1.27		0			
	910	5	1.27		0			
	911	6	1.27		0			
	912	7	1.27		0			
	913	8	1.27		0			
	914	9	1.27		0			
	915	10	1.27		0			
	917	12	1.28		0.010			
	919	14	1.285		0.015			
	921	16	1.305		0.035			
	923	18	1.315		0.045			
	925	20	1.320		0.050			
	930	25	1.350		0.080			
	935	30	1.380		0.110		TL	
	940	35	1.410		0.140			
	945	40	1.420		0.150			
	950	45	1.440		0.170			
	955	50	1.450		0.180			
	1000	55	—	—	—			
	1005	60	1.480		0.210			
	1015	70	1.520		0.240			
	1025	80	1.530		0.260		AB	
	1035	90	1.550		0.290			
	1045	100	1.570		0.310			
	1055	110	—	—	—			
	1105	120	1.600		0.340			
	1125	140	1.605		0.345			
	1145	160	1.610		0.350			
	1205	180	1.615		0.355			
	1225	200	1.620		0.360			
	1245	220	1.620		0.360			
	105	240	1.630		0.370			

106

H 6768.

[illegible]

MONITORING Well Data

1 of 1

Date

March 26/86

(107)

Project N° T660044 Project Name Haltan EPA

H-6769.

Recovery

Date	Time	Elapsed Time	Depth from MP	Elev masl	~~Draw~~ recovery			Meas. by	Meas Device
03-26-86	120 ^{am}	0	1.655		0			AB	DT
- " -	421	1	1.645		0.010				
	422	2	1.635		0.020				
	423	3	1.630		0.025				
	424	4	1.640		0.015				
	425	5	1.640		0.015				
	426	6	1.630		0.025				
	427	7	1.630		0.025				
	428	8	1.620		0.035				
	429	9	1.610		0.045				
	430	10	1.600		0.055				
	432	12	1.590		0.065				
	434	14	1.585		0.070				
	436	16	1.580		0.075				
	438	18	1.570		0.085				
	440	20	1.560		0.095				
	445	25	1.520		0.135				
	450	30	1.500		0.155				
	455	35	1.480		0.175				
	500	40	1.480		0.205				
	505	45	1.430		0.225				
	510	50	1.420		0.235				
	515	55	1.410		0.245				
↓	520	60	1.400		0.255				
03-27-86	920 ^{am}	1620	1.260		0.375				

Well DATA SHEET

108
Date - Mar 26-27/86

Project No. TCG0044

Project Name HAITI E.P.A.

M-674P

Well being tested

HC -18-86- #1

(TW3/86)

Monitor Well

Wat 5 #2

Monitor Well description

1/2" poly tube

Measuring Point description

Top of protective Casing

Elevation of Measuring Point

128.373

Height of Measuring Point above Ground

0.836

Elevation of Ground

127.510

Source of Elevations

University of Waterloo

Distance & Location of Monitoring Well

8.6 m South West

Construction Details (meters)

1 Screened Interval

NA

to

NA

2 Sealed Interval

119.666

to

118.520

Static level (m below MP)

1.520

1.515

2 (MA3L)

126.853

126.858

3 Time

830 AM

900 AM

This is Exhibit 70 mentioned and

referred to in the affidavit of

A. A. Sabonari

Sworn before me this 2nd day of

May A.D., 1986

 Commissioner, etc.

MONITORING Well Data / of 2 Date MARCH 26/86

H 676 p.

Project N^o TUGBOHY Project Name HAITW EPA
WA 5#2

Date	Time	Elapsed Time	Depth from HP	Elev masl	Draw down		Meas. by	Meas Device
03-26-86	905AM	0	1.515		0		AB	First tip
	906	1	1.515		0			
	907	2	1.515		0			
	908	3	1.520		0.005			
	909	4	1.520		0.005			
	910	5	1.525		0.010			
	911	6	1.530		0.015			
	912	7	1.530		0.015			
	913	8	1.535		0.020			
	914	9	1.550		0.035			
	915	10	1.575		0.060			
	917	12	1.605		0.090			
	919	14	1.635		0.120			
	921	16	1.660		0.145			
	923	18	1.700		0.185			
	925	20	1.725		0.210			
	930	25	1.800		0.285			
	935	30	1.820		0.305		TL	
	940	35	1.870		0.355			
	945	40	1.900		0.385			
	950	45	1.930		0.415			
	955	50	1.950		0.435			
	1000	55	—	—	—			
	1005	60	2.000		0.485			
	1015	70	2.060		0.545			
	1025	80	2.080		0.565		AB	
	1035	90	2.110		0.595			
	1045	100	2.135		0.620			
	1055	110	—	—	—			
	1105	120	2.185		0.670			
	1125	140	2.190		0.675			
	1145	160	2.200		0.685			
	1205	180	2.205		0.690			
	1225	200	2.215		0.700			
	1245	220	2.215		0.700			
	105	240	2.225		0.710			

H 676p.

Project N^o TG60044 Project Name HALTEN EPA

1-A + 5 = 2

[illegible]



N 6768.

Recovery

MONITORING Well Data

1 of 1

Date March 25-27/88

H6760 (112)

Project N° T6600

Project Name HILTON EPA

(WATS)

Date	Time	Elapsed Time	Depth from MP	Elev. w.c.s.l	Draw down			Meas. by	Meas. Device
3	4	5	6	7	8	9	10	11	12
2.59	3.395	4.11	4.22	4.23	4.56	4.495	4.385	4.610	4.965
2.595	3.395	4.12	4.24	4.25	4.58	4.440	4.40	4.630	4.965
2.60	3.395	4.12	4.24	4.25	4.58	4.440	4.40	4.63	4.965
2.595	3.415	4.12	4.20	4.25	4.58	4.440	4.415	4.630	4.965
2.595	3.415	4.135	4.20	4.25	4.58	4.440	4.405	4.630	4.965
2.595	3.425	4.145	4.235	4.250	4.580	4.440	4.395	4.63	4.965
2.595	3.430	4.145	4.245	4.250	4.58	4.445	4.40	4.63	4.965
2.60	3.430	4.145	4.260	4.255	4.58	4.440	4.40	4.63	4.97
2.61	3.430	4.14	4.24	4.255	4.58	4.44	4.40	4.63	4.97
2.58	3.425	4.13	4.24	4.24	4.56	4.43	4.40	4.63	4.97
2.58	3.39	4.12	—	—	—	—	—	—	—
2.58	3.40	4.12	—	—	—	—	—	—	—
2.58	3.38	4.12	—	—	—	—	—	—	—
2.58	3.38	4.12	4.211	4.250	4.56	4.43	4.40	4.63	4.97
2.58	3.35	4.10	4.20	4.240	4.55	4.43	4.40	4.63	4.97
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

This is Exhibit 71 mentioned and

referred to in the affidavit of

A. A. Sobanski

Sworn before me this 2nd day of

May A.D., 1988

A. Commissioner, etc.

Well DATA SHEET

Date Mar 24-27/86

Exhibit 676A

194

Project No H.G.0044 Project Name Haltom E.P.A.

Well being tested HP-18-1-2-86

Monitor Well WAT 5 - 3-12

Monitor Well description 1/2" Poly tube

Measuring Point description Top of Casing

Elevation of Measuring Point _____

Height of Measuring Point above Ground _____

Elevation of Ground _____

Source of Elevations University of Waterloo

Distance + location of Monitoring Well _____ m South West

Construction Details
(M.A.S.I.) 1 Screened Interval _____ to _____
2 Sealed Interval _____ to _____

Static level (m below MP), See following Pg
2 (MASL) 1 _____ 2 _____ 3 _____
3 Time 1 _____ 2 _____ 3 _____

This is Exhibit 72 mentioned and

referred to in the affidavit of

A. A. Sobarski

Sworn before me this 2nd day of

May A.D., 1986

[Signature]
A Commissioner, etc.

Halton T6600H4 Ste F Loc 18

WAT 5

Exhibit-676-A

195

	86.3.24 1007- 1030	86.3.24 1045- 1105	Protect 86.3.26 0745- 0815	Protect 86.3.26 0850- 0857	Test 70min 86.3.26 1012- 1018
1	1.26	1.26	1.26	1.26	
2	1.48	1.47	1.49	1.50	
3	2.61	2.60	2.58	2.58	2.58
4	3.40	3.39	3.40	3.38	3.38
5	4.13	4.12	4.13		4.12
6	4.23	4.22	4.23		
7	4.24	4.22	4.24		
8	4.56	4.54	4.53		
9	4.42	4.35	4.43		
10	4.40	4.35	4.40		
11	4.62	4.59	4.63		
12	4.95	4.92	4.96		
	Tim L	Heater	Tim L	Tim L	Tim L

- all measuring point is the top of the 100mm outer protective casing

Well DATA SHEET

Exhibit H 676-A

Date MAY 24-27/86

Project No. T660044 Project Name HAITON EPA

(196)

Well being tested HC-18-1-2-86

Monitor Well WAT 3, T12

Monitor Well description 1/2" Poly Tube

Measuring Point description Top of Casing

Elevation of Measuring Point

Height of Measuring Point above Ground

Elevation of Ground

Source of Elevations University of Waterloo

Distance & direction of
Monitoring Well

m North

Construction Details
(m.p.)

1 Screened Interval

2 Sealed Interval

Static level (m below MP), See following Page.

2 (M.A.S.L.)

3 Time

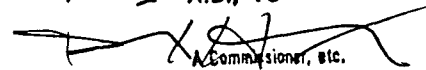
This is Exhibit 73 mentioned and

referred to in the affidavit of

A. A. Sobanski

Sworn before me this 2nd day of

May A.D., 1986


Commissioner, etc.

Halton T6600 Site F Loc 18

WAT 3

Exhibit H 676-A

197

	86.324	86.325
	145.1215	0745
1	3.39	3.42
2	8.20	8.17
3	—	—
4	3.41	3.38
5	✓ 6.90	6.87
6	7.93	7.90
7	✓ 6.99	✓ 8.91
8	5.23	✓ 5.11
9	7.39	7.41
10	8.03	8.02
11	14.87	✓ 15.85
12	29.71	29.70
	Tim L	Tim L

- all measuring point is the top of the 100 mm outer protective casing
- ✓ indicates readings double checked by removing tape, clearing & re-measuring

MONITORING Well Data

1 of

Date MAR 24-27/86

Exhibit H 676-A

Project N^o 766044 Project Name

HA/ton E. P.A.

A 198

[illegible]

Halton T6600 Site F Loc 18. | WAT 6 |

Ex. H-676-A p. (200)

Percent

	86.3.24 1040- 1105	86.3.24 0830- 0845	86.3.26 0850
a	1.00	1.00	
b	0.97	0.96	
c	0.72	0.67	0.71
d	—	—	
e	0.99	0.99	
f	2.66	2.63	
g	0.99	0.97	
h	1.74	1.74	
i	0.99	0.97	
j	0.97	0.96	
k	2.12	2.13	
l	1.01	1.00	
m	2.68	2.67	

- all M.P. as top of 100mm outer protective casing

This is Exhibit 75 mentioned and referred to in the affidavit of

A. A. Sobaneri

Sworn before me this 2nd day of

May A.D., 1988

A Commissioner, etc.

N-764

WAT3

63m

⊕ TW4/86 (065) N:TA MONITORED

26.6m

32.5

⊕ TW3/86 (PW) HCIS (2.5)

8.6m

70m

WAT 5-1-0.4
WAT 5-2-0.74
3-0-0
4-0-0
5-0
6-0
7-0
8-0
9-0
10-0
11-0
12-0

⊕ MB 11 MB 11-1-0
11-2-0 F-m
11-3-0

WAT6 ⊕ 5a

WAT6
a-0
b-0
c-0
d-0
e-0
f-0
g-0
h-0
i-0
j-0
k-0
l-0
m-0

TESTING OF TW 3/88

Well Data Sheet

Date May 24-27/86

Project No. TL60044 Project Name Malheur EPA

Well being tested HC-18-1-2-86 Ex. H-676-A-p. 202.

Monitor Well MB-11 1-3

Monitor Well description 1" Plastic Pipe

Measuring Point description Top of Pipe

Elevation of Measuring Point

Height of Measuring Point above Ground

Elevation of Ground

Source of Elevations Morrison Bathy

Distance & Location of
Monitoring Well N. Scott

Construction Details 1 Screened Interval See following pg.
(m) 2 Sealed Interval

Static level (m taken MP),

2 MASEL

3 Time

This is Exhibit 76 mentioned and

referred to in the affidavit of

A. A. Sabandri

Sworn before me this 2nd day of

May A.D., 19 88

[Signature]
A Commissioner, etc.

N-766

WAT3

1-0
2-0
3-0
4-0
5-0
6-0
7-0
8-0
9-0
10-0
11-0
12-0

63m

⊕ TW4/86 (PW) 3.5

26.6m

This is Exhibit 77 mentioned and

referred to in the affidavit of

A.A. Sobondri

Sworn before me this 2nd day of

May A.D., 1988

A Commissioner, etc.

32.5

⊕ TW3/86 (OBS) 0

8.6m

WAT5-3-0
4-0
5-0
6-0
7-0
8-0
9-0
10-0
11-0
12-0

⊕ WAT5
70m

⊕ MB 11 ME 11 -1-0
2-0
3-0

WAT6-4-0

WAT6 ⊕ 5m

b-0
c-0
d-0
e-0
f-0
g-0
h-0
i-0
j-0
k-0
l-0
m-0

TESTING OF TW4/86

Test H-676p. (113)
Date: 86.3.24

Well DATA SHEET

(Project No: _____ Project NAME _____
Well being tested TW4/86 LOC 18
Monitor Well PUMPING WELL DATA - TW4/86
Monitor Well description 152mm ID water well TD 10.32m bgl
Measuring Point description TOC - steel
Elevation of Measuring Point EL 131.846
Height of Measuring Point above Ground 0.15m
Elevation of Ground EL 131.70
Source of Elevations R. Zimunda, HC 86.3.18
Distance & location of Monitoring Well 0
Construction Details 1 uncased Screen Interval 3.05 to 10.32m bgl
(m asl) 2 Sealed Interval _____ to _____
Static level, (m below MP), 1 2.47m = 2.46 3 _____
2 M ASL) 1 _____ 2 _____ 3 _____
3 Time 1 0940 = 1154 3 _____

- test duration 86.3.24 1200h - 2000h

- Q maintained constant using rotameter, but measured by timing discharge into a known volume (1L) = 1L/minute 1200-1400h

This is Exhibit 78 mentioned and

referred to in the affidavit of

A. A. Sobarski

Sworn before me this 2nd day of

May A.D., 1988


A Commissioner, etc.

86.3.24

2

Well Data

1-12/80 PENDING DATA LOC18

Project No _____
Project Name _____

[illegible]

Date 86.3.24 H 676 p. (115)

PW4/86 data LOC18

no recover data		
-----------------	--	--

Northern Well Drilling Ltd. (122)

154 BRIARWOOD RD. - P.O. BOX 358

UNIONVILLE, ONTARIO L3R 2V3

TEL: (416) 477-1397

H 676P.

Pumping Well

TW4186

WELL NO. _____

MUNICIPALITY _____

PROJECT NO. _____

DATE 25/03/86

LOCATION Site "F" LOC 18

MEASURED FROM GROUND LEVEL: TOTAL DEPTH _____ INSIDE DIA. 6 STATIC LEVEL 2.64m

SCREEN: LENGTH _____ DIA. _____ DEPTH TO TOP _____ ORIFICE _____ BY _____

HEIGHT MEASURING POINT ABOVE GENERAL GROUND LEVEL 70C 0.15m ELEVATION (MP) _____

DATE & TIME	ELAPSED TIME (MIN.)	DEPTH TO WATER FROM M.P. (FT.)	NOMINAL DRAWDOWN OR RECOVERY (FT.)	CORRECTION FACTOR (FT.)	CORRECTED DRAWDOWN OR RECOVERY (FT.)	PUMPING RATE (IGPM)	REMARKS
	2.64m						VALVE
8:20am	1 min	2.740	0.10	5.785	0.28		
	2 min	2.820	0.18	5.520	0.54		This is Exhibit 79 mentioned and
	3 min	2.905	0.27	5.355	0.71		referred to in the affidavit of
	4 min	2.985	0.35	5.240	0.82		A.A. Sabarwal
	5 min	3.060	0.42	5.130	0.93		Sworn before me this 2nd day of
	6 min	3.145	0.51	5.025	1.04		May 1986
	7 min	3.195	0.56	4.920	1.14		A.A. Sabarwal, etc.
	8 min	3.225	0.59	4.810	1.25		
	9 min	3.255	0.62	4.705	1.36		
	10 min	3.315	0.68	4.595	1.47		
	12 min	3.415	0.78	4.400	1.66	2.210	13 min
	14 min	3.500	0.86	4.225	1.84		
	16 min	3.595	0.96	4.070	1.99		17 min
	18 min	3.645	1.01	3.930	2.13		
	20 min	3.700	1.06	3.810	2.25		22 min
	25 min	3.825	1.17	3.585	2.48	2.340	26 min
	30 min	3.855	1.22	3.420	2.64	2.40	31 min
	35 min	3.900	1.26	3.285	2.78	2.327	36 min
	40 min	3.940	1.30	3.125	2.87	2.322	41 min
	45 min	3.950	1.31	3.120	2.94	2.329	47 min
	50 min	4.020	1.38	3.075	2.99	2.322	53 min
	55 min	4.115	1.48	3.040	3.02	2.322	
	60 min	4.163	1.52	3.015	3.05	2.323	58 min
	70 min	4.380	1.74				Time 74 min
	80 min	4.430	1.79				Conc. 2.41
	90 min	4.430	1.79				2.41

WATER TEMPERATURE NEAR END OF TEST
DRILLING CONTRACTOR: _____

MEASUREMENTS TAKEN BY: _____

AGENT OF ENGINEER: _____

154 BRIARWOOD RD. - P.O. BOX 358
UNIONVILLE, ONTARIO L3R 2V3
TEL: (416) 477-1397

123

MUN. PALITY

PROJECT NO. 70707

DATE 25/03/46

LOCATION

5175 "f"

MEASURED FROM GROUND LEVEL: TOTAL DEPTH _____ INSIDE DIA. 6 STATIC LEVEL 2.21 m

SCREEN: LENGTH _____ DIA. _____ DEPTH TO TOP _____ ORIFICE _____ BY _____

HEIGHT MEASURING POINT ABOVE GENERAL GROUND LEVEL _____ ELEVATION (MP) _____

WATER TEMPERATURE NEAR END OF TEST
DRILLING CONTRACTOR:

○

MEASUREMENTS TAKEN BY:

AGENT OF ENGINEER:

Well DATA SHEET

H-676p. (116)
Date: 6.3.24

(Project No: _____ Project Name _____
Well being tested TW4/86 Loc 18
Monitor Well TW3/86 Loc 18
Monitor Well description 152mm ID water well TD = 7.52m bgl
Measuring Point description TOC - steel
Elevation of Measuring Point EL 130.059
Height of Measuring Point above Ground ~ 0.68 m
Elevation of Ground EL 129.466
Source of Elevations Mar 18, 86 E Zmunda H.C.
(Distance + location of
Monitoring Well 26.6m
Construction Details ^{Uncased}
(M.A.S.L.) 1 ~~Screened~~ Interval 2.52 to 7.52 m bgl
2 Sealed Interval _____ to _____
Static level, (m below MP), 1 2.29 2 2.29 3 _____
2 M.A.S.L.) 1 _____ 2 _____ 3 _____
3 Time 1 0940 2 1154 3 _____

This is Exhibit **80** mentioned and

referred to in the affidavit of

A.A. Sabonski

Sworn before me this 2nd day of

May A.D., 19 88


A Commissioner, etc.

Date: 86.3.24

Well DATA SHEET

Project No: _____ Project NAME _____

Well being tested TW4/86 Loc 18Monitor Well WAT 5-1

Monitor Well description _____

Measuring Point description. _____

Elevation of Measuring Point _____

Height of Measuring Point above Ground _____

Elevation of Ground _____

Source of Elevations _____

Distance + location of
Monitoring Well 32.5 mConstruction Details 1 Screened Interval _____ to _____
(m.a.s.l.) 2 Sealed Interval _____ to _____

Static level ₁ (m below MP),	<u>1.26 *</u>	2 <u>1.26 *</u>	3 _____
2 M.A.S.L.)	1 _____	2 _____	3 _____
3 Time	1 <u>1007</u>	2 <u>1100</u>	3 _____

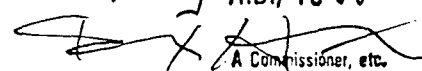
* different measures

This is Exhibit 81 mentioned and
referred to in the affidavit of

A.A. Sabarwal

Sworn before me this 2nd day of

May A.D., 19 88


A Commissioner, etc.

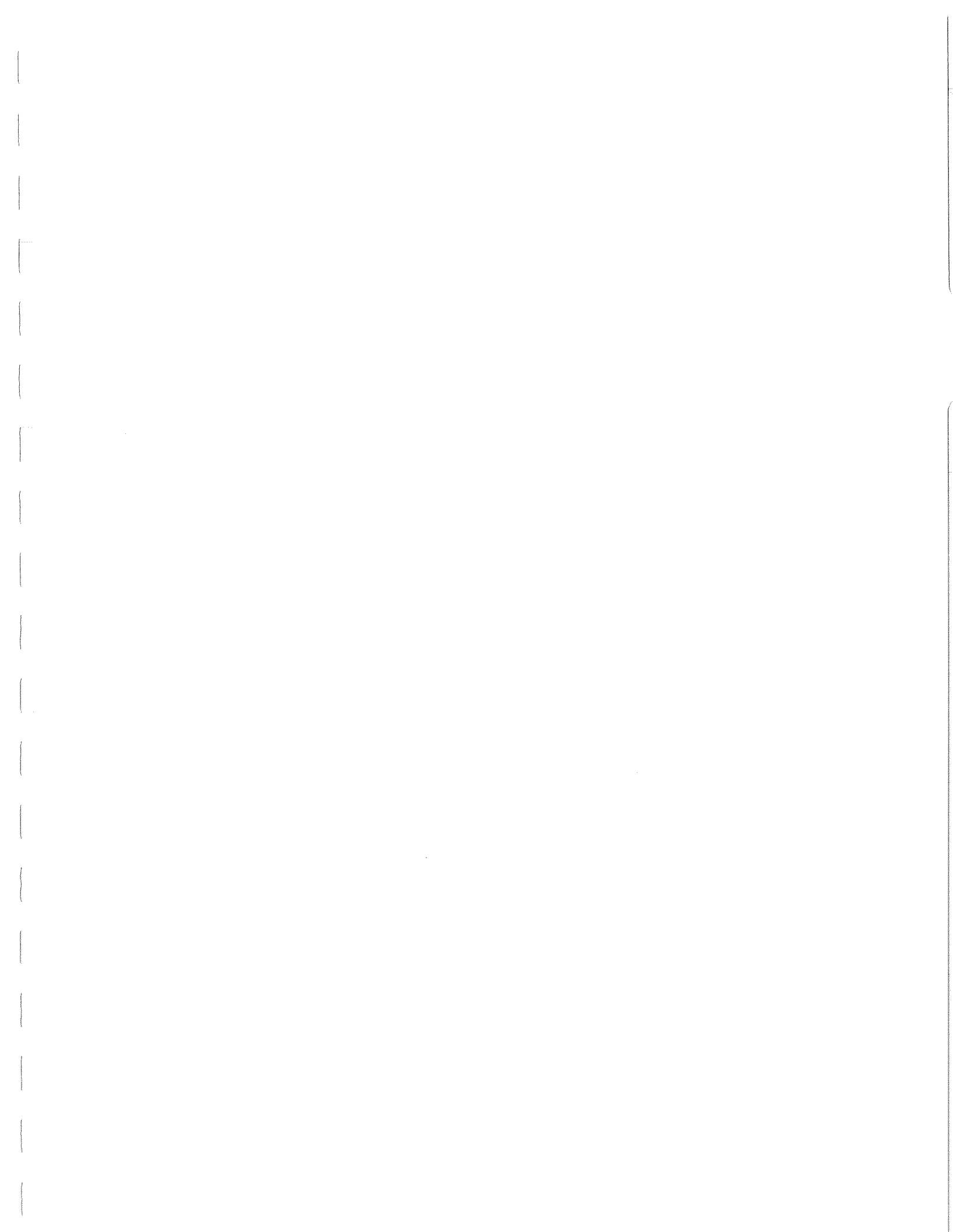
1 of 1

Date 86.3.24

Project Name

WAT 5-1 Test 0 7/4/86

[illegible]



Date: 86.3.24.

Well DATA SHEET

Project No: _____ Project Name _____

Well being tested: TW4/86 LOC18

Monitor Well: WAT 5-2

Monitor Well description: _____

Measuring Point description: _____

Elevation of Measuring Point: _____

Height of Measuring Point above Ground: _____

Elevation of Ground: _____

Source of Elevations: _____

Distance + location of Monitoring Well: 32.5m

Construction Details (M.A.S.I) 1 Screened Interval _____ to _____
2 Sealed Interval _____ to _____

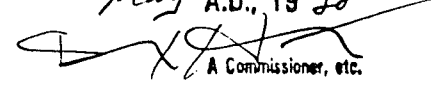
Static level, (m below MP),
2 M.A.S.L) 1 _____ 2 _____ 3 _____
3 Time 1 _____ 2 _____ 3 _____

This is Exhibit 82 mentioned and referred to in the affidavit of

A. A. Subandri

Sworn before me this 2nd day of

May A.D., 19 86


A Commissioner, etc.

Date H 676 p.

Project N^o _____ Project Name _____

NO EFFECT

F 1828
G 1835

OWI 2235
WAT 1 1.330m
2 1.510m
3 2.325m
4 2.410m
5 4.135m
6 ~~4.245m~~
7 4.240m
8 4.557m
9 4.420m
10 4.410m
11 4.623m
12 4.970m
13 1.140m

1843

1847

OWI 2.33
WAT 5 2.32
1 1.335 -
2 1.520
3 2.590
4 3.410
5 4.120
6 ~~4.245m~~
7 4.240
8 4.542
9 4.435
10 4.410
11 4.623
12 4.970
13 1.135

H 0861. 1125
OWI 2.335