

On-Site Radiation Monitoring Report

Report Number: 419946

Project Name:	KDRA Radiation Monitoring	Project Number:	33108
Customer Name:	Kishon Drainage & Rivers Authority	Order Number:	419946
Customer Address:	המושב יוקנעם	Ordering Date:	07/08/14
Contractor Name:	כנען קוואס (Kenaan Quass)	Testing Date:	20/04/15
Site Address:	האשג 27 מפרץ חיפה	Branch:	Central (Yavneh)
Testing Location:	See pages 3 to 5	Report Date:	26/04/15

Principle:	On-Site Radiation Monitoring is conducted to ensure worker safety.
	Safety limits are taken in accordance with ICRP section 60 published 1990.

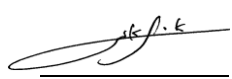
Equipment:	MGP Instruments - Spectrometric Personal Radiation Detector - PDS100 G-GN/ID
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Test Description:	Testing was conducted at a 1 meter elevation from ground level.
	Testing Site and locations can be seen on pages 3 to 5
	Average Haifa Background levels were taken to be 0.05 $\mu\text{Sv/h}$
	Annual dose allowance was taken to be 0.3 mSv/year above the background level

Results

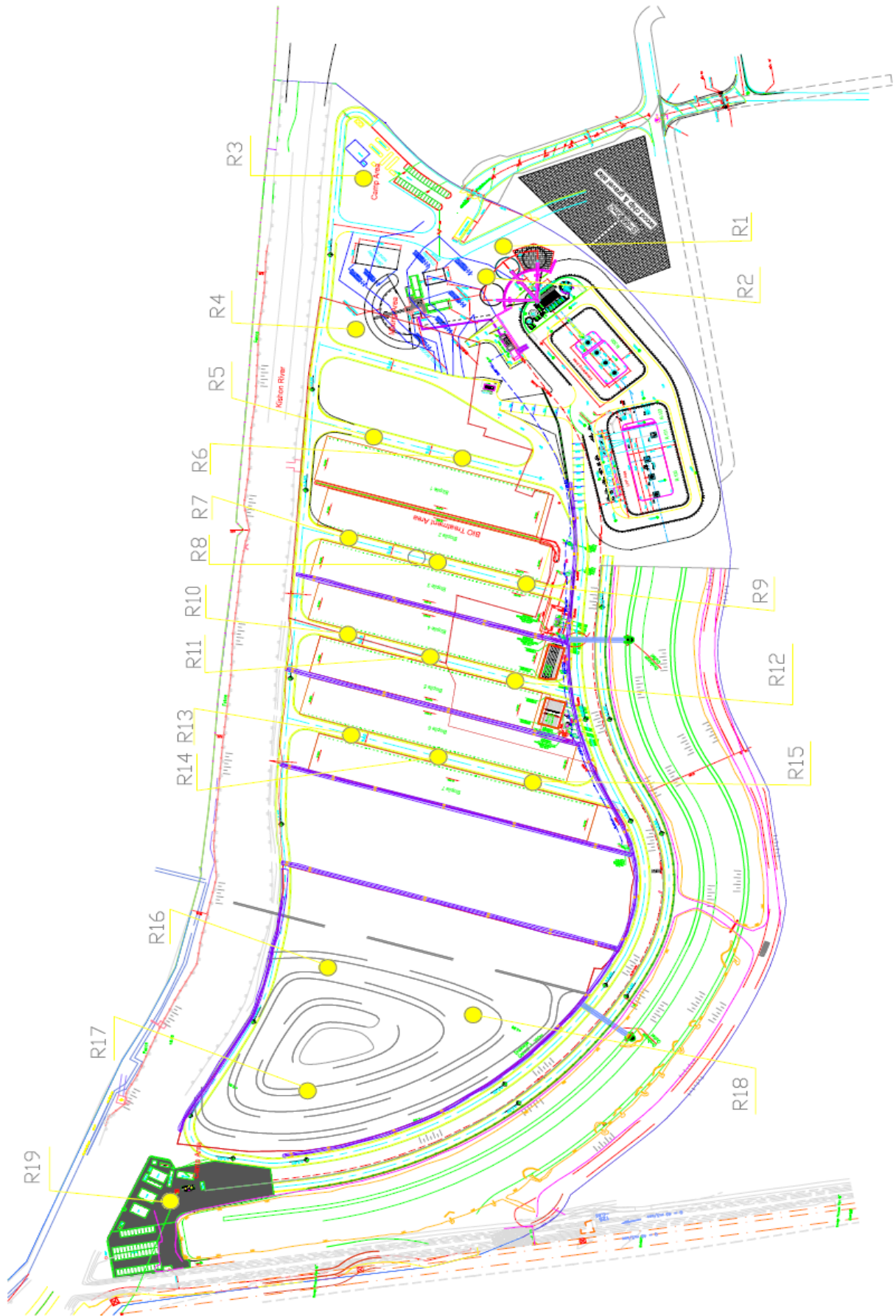
The 3 ponds tested contained regions where radiation levels would require limited employee exposure.
For detailed results see page 2.

Additional Comments:	
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Testing Personnel:	<u>Dima Strelan</u>			
Approved By:	<u>Dr. Ehud Ne'eman Phd.Sc Lab Manager</u>	Date:	<u>26/04/15</u>	Signature: 
Disclaimer: The results contained within this report were obtained by the customer requested testing method. This report is only valid in its entirety. The validity of partial results cannot be assured if they are re-used or copied to other documents. Test locations and details were provided by the customer.				Stamp: 

#	Location	Measurement ($\mu\text{Sv/h}$) - 14/01/15	Measurement ($\mu\text{Sv/h}$) - 23/02/15	Measurement ($\mu\text{Sv/h}$) - 22/03/15	Measurement ($\mu\text{Sv/h}$) - 20/04/15	Permitted work time (h/Yr)	Worker Recommendation according to 2000 hours per year
1	R1	0.06	0.04	0.05	0.07	5714.29	Full Work Time
2	R2	0.06	0.05	0.05	0.07	5714.29	Full Work Time
3	R3	0.03	0.04	0.04	0.05	No Limit	Full Work Time
4	R4	0.07	0.1	0.07	0.06	6666.67	Full Work Time
5	R5	0.08	0.07	0.07	0.1	4000.00	Full Work Time
6	R6	0.09	0.09	0.06	0.09	4444.44	Full Work Time
7	R7	0.11	0.08	0.1	0.08	5000.00	Full Work Time
8	R8	0.05	0.07	0.06	0.07	5714.29	Full Work Time
9	R9	0.08	0.08	0.05	0.07	5714.29	Full Work Time
10	R10	0.08	0.07	0.06	0.08	5000.00	Full Work Time
11	R11	0.09	0.05	0.06	0.07	5714.29	Full Work Time
12	R12	0.07	0.05	0.07	0.08	5000.00	Full Work Time
13	R13	0.08	0.07	0.07	0.09	4444.44	Full Work Time
14	R14	0.06	0.05	0.07	0.09	4444.44	Full Work Time
15	R15	0.06	0.05	0.08	0.08	5000.00	Full Work Time
16	R16	0.05	0.06	0.06	0.07	5714.29	Full Work Time
17	R17	0.06	0.13	0.06	0.1	4000.00	Full Work Time
18	R18	0.05	0.06	0.05	0.1	4000.00	Full Work Time
19	R19	0.04	0.05	0.03	0.03	No Limit	Full Work Time
20	A1-01	0.23	0.19	0.23	0.2	2000.00	Full Work Time
21	A1-02	0.23	0.25	0.29	0.29	1379.31	Limited Work Time
22	A1-03	0.14	0.09	0.14	0.17	2352.94	Full Work Time
23	A1-04	0.14	0.12	0.15	0.16	2500.00	Full Work Time
24	A1-05	0.18	0.11	0.14	0.19	2105.26	Full Work Time
25	A1-06	0.25	0.21	0.24	0.25	1600.00	Limited Work Time
26	A1-07	0.21	0.2	0.21	0.22	1818.18	Limited Work Time
27	A1-08	0.13	0.11	0.15	0.15	2666.67	Full Work Time
28	A1-09	0.08	0.07	0.06	0.07	5714.29	Full Work Time
29	A1-10	0.11	0.1	0.11	0.12	3333.33	Full Work Time
30	A2-01	0.06	0.04	0.04	0.05	No Limit	Full Work Time
31	A2-02	0.03	0.03	0.03	0.04	No Limit	Full Work Time
32	A2-03	0.09	0.07	0.05	0.08	5000.00	Full Work Time
33	A2-04	0.28	0.24	0.24	0.29	1379.31	Limited Work Time
34	A2-05	0.24	0.23	0.08	0.24	1666.67	Limited Work Time
35	A2-06	0.27	0.21	0.18	0.25	1600.00	Limited Work Time
36	A2-07	0.23	0.2	0.23	0.22	1818.18	Limited Work Time
37	A2-08	0.25	0.19	0.3	0.25	1600.00	Limited Work Time
38	A2-09	0.15	0.09	0.16	0.17	2352.94	Full Work Time
39	A2-10	0.22	0.07	0.23	0.18	2222.22	Full Work Time
40	C_01	0.04	0.06	0.05	0.05	No Limit	Full Work Time
41	C_02	0.1	0.07	0.09	0.08	5000.00	Full Work Time
42	C_03	0.08	0.07	0.11	0.1	4000.00	Full Work Time
43	C_04	0.05	0.05	0.1	0.05	No Limit	Full Work Time
44	C_05	0.07	0.07	0.12	0.06	6666.67	Full Work Time
45	C_06	0.14	0.18	0.21	0.14	2857.14	Full Work Time
46	C_07	0.09	0.1	0.11	0.17	2352.94	Full Work Time
47	C_08	0.22	0.12	0.17	0.21	1904.76	Limited Work Time
48	C_09	0.25	0.14	0.24	0.26	1538.46	Limited Work Time
49	C_10	0.21	0.15	0.26	0.28	1428.57	Limited Work Time

** Recommendations are based on ICRP section 60 published 1990



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A1

