

HANSON EPA LICENSE CONDITIONS - Blast Monitor Results



Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration mm/sec	Comments	Compliant (Yes/No)
16.07.2020	1:27:00 PM	Floor 9	KQ20-27	Galeas 2nd Driveway	108.5dBL	0.4822	Blast KQ20-27 and KQ20-31 fired together	Yes
03.07.2020	10:41:00 AM	Floor 8	KQ20-28	Galeas 2nd Driveway	110.7dBL	1.268		Yes
10.07.2020	10:53:00 AM	Floor 11	KQ20-29	Galeas 2nd Driveway	103.9dBL	0.1354		Yes
10.07.2020	10:51:00 AM	Floor 10	KQ20-30	Galeas 2nd Driveway	103.5dBL	0.7441		Yes
16.07.2020	1:27:00 PM	Floor 9	KQ20-31	Galeas 2nd Driveway	108.5dBL	0.4822	Blast KQ20-27 and KQ20-31 fired together	Yes
23.07.2020	9:51:00 AM	Floor 9	KQ20-32	Galeas 2nd Driveway	109.8dBL	1.021		Yes
30.07.21020	10:16:00 AM	Floor 11	KQ20-33	Galeas 2nd Driveway	110.1dBL	0.4118		Yes
06.08.2020	12:45:00 PM	Floor 7	KQ20-34	Galeas 2nd Driveway	107.3dBL	0.7863		Yes
06.08.2020	12:47:00 PM	Floor 9	KQ20-35	Galeas 2nd Driveway	110.5dBL	1.165		Yes
13.08.2020	10:04:41 AM	Floor 10	KQ20-36	Galeas 2nd Driveway	109.4dBL	0.5135		Yes
18.08.2020	9:54:56 AM	Floor 10	KQ20-37	Galeas 2nd Driveway	109dBL	0.888		Yes
20.08.2020	9:11:05 AM	Floor 5	KQ20-38	Galeas 2nd Driveway	112.3dBL	0.7744		Yes
01.10.2020	11:25:68 AM	Floor 9	KQ20-39	Galeas 2nd Driveway	110.1dBL	0.756		Yes
27.08.2020	9:52:50 AM	Floor 8	KQ20-40	Galeas 2nd Driveway	111.3dBL	1.144		Yes
03.09.2020	9:42:00 AM	Floor 13	KQ20-41	Galeas 2nd Driveway	104.9dBL	0.9		Yes
03.09.2020	9:44:00 AM	Floor 11	KQ20-42	Galeas 2nd Driveway	101.9dBL	0.25		Yes
10.09.2020	10:53:57 AM	Floor 10	KQ20-43	Galeas 2nd Driveway	108.8dBL	0.3547		Yes
17.09.2020	12:21:22 PM	Floor 9	KQ20-44	Galeas 2nd Driveway	103.5dBL	0.13		Yes
18.11.2020	12:14:18PM	Floor 7	KQ20-45	Galeas 2nd Driveway	101.5dBL	0.5172		Yes
24.09.2020	10:51:24 AM	Floor 9	KQ20-46	Galeas 2nd Driveway	105.6dBL	2.206		Yes
01.10.2020	11:23:57 AM	Floor 11	KQ20-47	Galeas 2nd Driveway	101.5dBL	0.3924		Yes
08.10.2020	10:23:09 AM	Floor 10	KQ20-48	Galeas 2nd Driveway	109dBL	0.6335		Yes
15.10.2020	10:12:20 AM	Floor 11	KQ20-49	Galeas 2nd Driveway	112.7dBL	0.1409		Yes
22.10.2020	10:53:13 AM	Floor 9	KQ20-50	Galeas 2nd Driveway	98.87dBL	0.9842		Yes
22.10.2020	10:50:59 AM	Floor 11	KQ20-51	Galeas 2nd Driveway	104.8dBL	0.4653		Yes
29.10.2020	10:38:43 AM	Floor 10	KQ20-52	Galeas 2nd Driveway	111.8dBL	1.22	Blast KQ20-52 & KQ20-53 fired together	Yes
29.10.2020	10:38:43 AM	Floor 10	KQ20-53	Galeas 2nd Driveway	111.8dBL	1.22	Blast KQ20-52 & KQ20-53 fired together	Yes
06.11.2020	9:33:33 AM	Floor 11	KQ20-54	Galeas 2nd Driveway	105.5dBL	0.7972		Yes
19.11.2020	11:13:10 AM	Floor 9	KQ20-55	Galeas 2nd Driveway	103.5dBL	0.1488		Yes
12.11.2020	9:29:45 AM	Floor 11	KQ20-56	Galeas 2nd Driveway	104.1dBL	0.2361		Yes
24.11.2020	11:24:03 AM	Floor 2	KQ20-57	Galeas 2nd Driveway	99.7dBL	0.1583		Yes
19.11.2020	11:17:05 AM	Floor 9	KQ20-58	Galeas 2nd Driveway	107dBL	0.4887		Yes
25.11.2020	10:05:21 AM	Floor 11	KQ20-59	Galeas 2nd Driveway	100.4dBL	0.8275		Yes
04.12.2020	12:26:03 AM	Floor 2	KQ20-60	Galeas 2nd Driveway	106.1dBL	1.98		Yes
18.02.2021	12:24:00 PM	Floor 2	KQ20-61	Galeas 2nd Driveway	106dBL	0.51	Vibration and airblast analysis included in this blast	Yes
10.12.2020	9:42:08 AM	Floor 11	KQ20-62	Galeas 2nd Driveway	104.9dBL	0.6519		Yes
14.01.2021	11:15:42 AM	Floor 11	KQ20-63	Galeas 2nd Driveway	102.8dBL	0.5308	Blast KQ20-63 & KQ21-01 fired together	Yes
14.01.2021	11:15:42 AM	Floor 11	KQ21-01	Galeas 2nd Driveway	102.8dBL	0.5308	Blast KQ20-63 & KQ21-01 fired together	Yes
11.01.2021	12:49:01 PM	Floor 7	KQ20-64	Galeas 2nd Driveway	107.2dBL	1.127		Yes
21.01.2021	11:09:40 AM	Floor 9	KQ21-02	Galeas 2nd Driveway	100.5dBL	0.6325		Yes
01.02.2021	10:40:02 AM	Floor 12	KQ21-03	Galeas 2nd Driveway	103.8dBL	0.5065		Yes
11.02.2021	14:43:20 PM	Floor 8	KQ21-04	Galeas 2nd Driveway	104.5dBL	0.4098		Yes
11.02.2021	14:25:16 PM	Floor 10	KQ21-05	Galeas 2nd Driveway	101.3dBL	0.887		Yes
25.02.2021	11:46:50 AM	Floor 12	KQ21-06	Galeas 2nd Driveway	107dBL	0.6588		Yes
04.03.2021	9:57:13 AM	Floor 11	KQ21-07	Galeas 2nd Driveway	102.2dBL	0.7501		Yes
11.03.2021	10:48:01 AM	Floor 10	KQ21-08	Galeas 2nd Driveway	101.5dBL	1.147		Yes
08.04.2021	11:15:03 AM	Floor 12	KQ21-09	Galeas 2nd Driveway	102.6dBL	1.236		Yes
24.03.2021	11:06:40 AM	Floor 7 & 8	KQ21-10	Galeas 2nd Driveway	109.4dBL	0.9307	Blast KQ21-10 & Blast KQ21-11 fired together	Yes
24.03.2021	11:06:40 AM	Floor 7 & 8	KQ21-11	Galeas 2nd Driveway	109.4dBL	0.9307	Blast KQ21-10 & Blast KQ21-11 fired together	Yes
31.03.2021	9:21:17 AM	Floor 11	KQ21-12	Galeas 2nd Driveway	105.8dBL	1.307		Yes

08.04.2021	11:24:06 AM	Floor 11	KQ21-13	Galeas 2nd Driveway	109.9dBL	0.8632		Yes
16.04.2021	10:17:49 AM	Floor 11	KQ21-14	Galeas 2nd Driveway	100.6dBL	1.792		Yes
23.04.2021	11:18:12 AM	Floor 8	KQ21-15	Galeas 2nd Driveway	107DdBL	1.098		Yes
05.05.2021	11:00:57 AM	Floor 11	KQ21-16	Galeas 2nd Driveway	102.8dBL	0.1171		Yes
30.04.2021	10:40:25 AM	Floor 12	KQ21-17	Galeas 2nd Driveway	102.3dBL	0.9873		Yes
05.05.2021	10:53:54 AM	Floor 12	KQ21-18	Galeas 2nd Driveway	113dBL	0.6166		Yes
14.05.2021	9:37:01 AM	Floor 12	KQ21-19	Galeas 2nd Driveway	108.8dBL	0.133		Yes
20.05.2021	10:07:11 AM	Floor 12	KQ21-20	Galeas 2nd Driveway	104.7dBL	2.445		Yes
27.05.2021	10:25:17 AM	Floor 11	KQ21-21	Galeas 2nd Driveway	103.4dBL	1.274		

HANSON EPA LICENSE CONDITIONS - Public Monitoring Register

Date	Time	License No.	Site Name	Monitoring Location	Test Type	Result	Discharging	Sampled by	Comments (optional)	Report Number
20.07.2020		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	No	Tony Bennett		VGT Report Number: 9337
					B2 Water - Ph (6.5-8.5)	7.5				
					B2 Water - TSS (<50mg/l)	47				
27.07.2020		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	-	No	Tony Bennett	Oil/Grease not visible	VGT Report Number: 9453
					B2 Water - Ph (6.5-8.5)	8				
					B2 Water - TSS (<50mg/l)	188				
27.07.2020		2147	Kulnura Quarry	EPA Point # 1 (Dam 6)	B2 Water - Oil & Grease (<10mg/l)	-	No	Tony Bennett	Oil/Grease not visible	VGT Report Number: 9453
					B2 Water - Ph (6.5-8.5)	8.6				
					B2 Water - TSS (<50mg/l)	286				
01.09.2020		2147	Kulnura Quarry	EPA Point # 2 (WWTP)	B2 Water - Oil & Grease (<10mg/l)	<5	No	Tony Bennett		VGT Report Number: 9676
					B2 Water - Ph (6.5-8.5)	7.6				
					B2 Water - TSS (<50mg/l)	41				
14.09.2020		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	No	Tony Bennett		VGT Report Number: 9646
					B2 Water - Ph (6.5-8.5)	7.6				
					B2 Water - TSS (<50mg/l)	24				
12.10.2020		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	No	Tony Bennett		VGT Report Number: 9765
					B2 Water - Ph (6.5-8.5)	7.5				
					B2 Water - TSS (<50mg/l)	5				
03.11.2020		2147	Kulnura Quarry	EPA Point # 2 (WWTP)	B2 Water - Oil & Grease (<10mg/l)	<5	No	Tony Bennett		VGT Report Number: 9964
					B2 Water - Ph (6.5-8.5)	7.3				
					B2 Water - TSS (<50mg/l)	34				
10.08.2020		2147	Kulnura Quarry	EPA Point #1 (Dam 6)	B2 Water - Oil & Grease (<10mg/l)	-	No	Tony Bennett	Oil/Grease not visible	VGT Report Number: 9995
					B2 Water - Ph (6.5-8.5)	7				
					B2 Water - TSS (<50mg/l)	1050				
10.08.2020		2147	Kulnura Quarry	EPA Point #3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	-	No	Tony Bennett	Oil/Grease not visibale	VGT Report Number: 9995
					B2 Water - Ph (6.5-8.5)	9.2				
					B2 Water - TSS (<50mg/l)	43				
29.10.2020		2147	Kulnura Quarry	EPA Point # 1 (Dam 6)	B2 Water - Oil & Grease (<10mg/l)	-	No	Tony Bennett	Oil/Grease not visibale	VGT Report Number: 9996
					B2 Water - Ph (6.5-8.5)	9.2				
					B2 Water - TSS (<50mg/l)	3320				
09.11.2020		2147	Kulnura Quarry	EPA Point #3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	No	Tony Bennett		VGT Report Number: 9882
					B2 Water - Ph (6.5-8.5)	7.7				
					B2 Water - TSS (<50mg/l)	35				
01.12.2020		2147	Kulnura Quarry	EPA Point # 1 (Dam 6)	B2 Water - Oil & Grease (<10mg/l)	-	No	Tony Bennett	Oil/Grease not visible	VGT Report Number: 10121
					B2 Water - Ph (6.5-8.5)	7.4				
					B2 Water - TSS (<50mg/l)	30				
07.12.2020		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	No	Tony Bennett		VGT Report Number: 10026
					B2 Water - Ph (6.5-8.5)	7.8				
					B2 Water - TSS (<50mg/l)	42				
04.01.2021		2147	Kulnura Quarry	EPA Point # 1 (Dam 6)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	Tony Bennett		VGT Report Number: 10230
					B2 Water - Ph (6.5-8.5)	7.3				
					B2 Water - TSS (<50mg/l)	5				
04.01.2021		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	Tony Bennett		VGT Report Number: 10190
					B2 Water - Ph (6.5-8.5)	7.7				
					B2 Water - TSS (<50mg/l)	20				
01.02.2021		2147	Kulnura Quarry	EPA Point # 2 (WWTP)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	Tony Bennett		VGT Report Number: 10386
					B2 Water - Ph (6.5-8.5)	7.6				
					B2 Water - TSS (<50mg/l)	37				
01.02.2021		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	No	Tony Bennett		VGT Report Number: 10320
					B2 Water - Ph (6.5-8.5)	7.81				
					B2 Water - TSS (<50mg/l)	72				
02.03.2021		2147	Kulnura Quarry	EPA Point # 2 (WWTP)	B2 Water - Oil & Grease (<10mg/l)	<5	No	Tony Bennett		VGT Report Number: 10550
					B2 Water - Ph (6.5-8.5)	7.6				
					B2 Water - TSS (<50mg/l)	30				
01.03.2021		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	Tony Bennett		VGT Report Number: 10446
					B2 Water - Ph (6.5-8.5)	8.17				
					B2 Water - TSS (<50mg/l)	26				
22.03.2021		2147	Kulnura Quarry	EPA Point # 1 (Dam 6)	B2 Water - Oil & Grease (<10mg/l)	-	No	Tony Bennett	Oil/Grease not visible	VGT Report Number: 10683
					B2 Water - Ph (6.5-8.5)	8.7				
					B2 Water - TSS (<50mg/l)	584				
22.03.2021		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	-	Yes	Tont Bennett	Oil/Grease not visible	VGT Report Number: 10683
					B2 Water - Ph (6.5-8.5)	7.6				
					B2 Water - TSS (<50mg/l)	16				

29.03.2021		2147	Kulnura Quarry	EPA Point # 2 (WWTP)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	Tony Bennett		VGT Report Number: 10742
					B2 Water - Ph (6.5-8.5)	7				
					B2 Water - TSS (<50mg/l)	10				
29.03.2021		2147	Kulnura Quarry	EPA Point # 3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	Tony Bennett	Uncontrolled discharge	VGT report Number: 10672
					B2 Water - Ph (6.5-8.5)	7.1				
					B2 Water - TSS (<50mg/l)	8				
26.04.2021		2147	Kulnura Quarry	EPA Point #3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	Tony Bennett		VGT Report Number: 10813
					B2 Water - Ph (6.5-8.5)	7.4				
					B2 Water - TSS (<50mg/l)	5				
03.05.2021		2147	Kulnura Quarry	EPA Point #2 (WWTP)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	Tony Bennett		VGT Report Number: 10948
					B2 Water - Ph (6.5-8.5)	7.2				
					B2 Water - TSS (<50mg/l)	14				
24.05.2021		2147	Kulnura Quarry	EPA Point #3 (Frog Hollow)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	T & D Walker (VGT)	Oil/Grease not visible	VGT Report Number: 10925
					B2 Water - Ph (6.5-8.5)	7.5				
					B2 Water - TSS (<50mg/l)	6				
01.06.2021		2147	Kulnura Quarry	EPA Point #2 (WWTP)	B2 Water - Oil & Grease (<10mg/l)	<5	Yes	Tony Bennett		VGT Report Number: 11061
					B2 Water - Ph (6.5-8.5)	7.4				
					B2 Water - TSS (<50mg/l)	13				
					B2 Water - Oil & Grease (<10mg/l)					
					B2 Water - Ph (6.5-8.5)					
					B2 Water - TSS (<50mg/l)					
					B2 Water - Oil & Grease (<10mg/l)					
					B2 Water - Ph (6.5-8.5)					
					B2 Water - TSS (<50mg/l)					
					B2 Water - Oil & Grease (<10mg/l)					
					B2 Water - Ph (6.5-8.5)					
					B2 Water - TSS (<50mg/l)					
					B2 Water - Oil & Grease (<10mg/l)					
					B2 Water - Ph (6.5-8.5)					
					B2 Water - TSS (<50mg/l)					
					B2 Water - Oil & Grease (<10mg/l)					
					B2 Water - Ph (6.5-8.5)					
					B2 Water - TSS (<50mg/l)					
					B2 Water - Oil & Grease (<10mg/l)					
					B2 Water - Ph (6.5-8.5)					
					B2 Water - TSS (<50mg/l)					