

*Appendix 5. Actions possibly causing disturbance to heads, water levels and groundwater levels.*

OL-EP, OL-KR, OL-PVP, OL-PP:				Explanation
	PMPTTEST		PMP	Pumping test
	GWS			Groundwater sampling
	GWS	PAVE	PMP	Groundwater sampling by PAVE with pumping of the upper part
	GWS	PAVE	NP	Groundwater sampling by PAVE without pumping of the upper part
	GWS	DBL	NP	Groundwater sampling by double packer equipment without pumping of the upper part
	GWS	FR	PMP	Groundwater sampling from a certain fracture using Posiva Flow Log equipment with pumping
	OTHER			Other action
	PCK	CAL		GWMS sensor calibration
	PCK	ERROR		Transmission error of GWMS data
	PCK	FWR		Fresh water replacement/fill
	PCK	GWMSOFF		GWMS off measuring
	PCK	GWMSON		GWMS measuring starts
	PCK	GWMSUP		GWMS sensors/logger lifted up
	PCK	DPI		Double packer installation
	PCK	MPI		Multi packer installation
	PCK	MPR		Multi packer removal
	PCK	OPEN		Hole open, packers off
	PCK	PPI		Packer pressure increased
	PCK	PPM		Packer pressure missing
	PCK	SFAILURE		Change of sensor/logger or other GWMS problem
	PFL	DOPP		Pressure test with double packers
	PFL	TFM	NP	Transverse flow logging without pumping
	PFL		PMP	Flow logging with pumping
ONKALO:				
ONK-KR				Underground drillhole
ONK-PVA				Groundwater station
ONK-PH				Pilot hole
ONK-INJ				Grouting hole
ONK-IC				Control hole
ONK-TR				Probe holes
ONK-PP				Shaft grouting hole or other shallow core drilled hole
ONK-TT				Technical tunnel
ONK-KU5 0				Capsule shaft, level 0 m
ONK-KU5 -90				Capsule shaft, level -90 m
ONK-KU5 -180				Capsule shaft, level -180 m
ONK-KU5 -290				Capsule shaft, level -290 m
ONK-KPE1				Niche for personnel shaft
ONK-KPE2				Niche for exhaust air shaft
ONK-KPE5 -90				Niche for capsule shaft, level -90 m

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ONK-KPE5 -180			Niche for capsule shaft, level -180 m
ONK-TYT-4399-21-xx			AJYH5, Vehicle connection 5
ONK-TT-4665-184-85-xx			AJYH15, Vehicle connection 15
ONK-TT-4665-370-xx			AJYH15.1, Vehicle connection 15.1
ONK-TT-4505-xx			AJYH17, Vehicle connection 17
ONK-TT-4505-236-xx			AJYH17.2, Vehicle connection 17.2
ONK-TT-4505-419-xx			AJYH17.3, Vehicle connection 17.3
ONK-TT-4505-232-xx			AJYH19, Vehicle connection 19
ONK-TT-4665-286			AJYH21, Vehicle connection 21
ONK-TPH-4665-184-xx			Storage Hall 1
ONK-TT-4399-109-xx			YTK, Central tunnel for cooperation tests
ONK-TT-4399-109-33-xx			YTK, Deposition tunnel for cooperation tests
	CLP		Cleaning pumping / flushing
	DRILL		Drilling
	FILL		Filling of holes
	GRT		Grouting
	GWS		Ground water sampling
	LEAK		Leaking
	OTHER		Other action
	OUTFLOW		Leakage, detailed information
	PCK	GWMSUP	GWMS sensors/logger lifted up
	PCK	MPI	Multi packer installation
	PCK	MPR	Multi packer removal
	PCK	PPI	Packer pressure increased
	PCK	SPI	Cuff packer installation
	PCK	TEMP	Temporary packers on / off
	PFL		Flow logging
	RB		Raise boring
	WLM		Water loss measurement

## Appendix 5

date1	date2	BH	code1	code2	code3	Level
11.10.2007	unfinished	OL-KR37	PCK	GWMSUP	-	L1
28.5.2008	unfinished	OL-KR23	PCK	GWMSUP	-	L2
19.8.2010	unfinished	OL-KR4	PCK	GWMSUP	-	L2
22.11.2011	unfinished	OL-KR39	PCK	GWMSUP	-	L1
22.11.2011	unfinished	OL-KR39	PCK	GWMSUP	-	L2
22.11.2011	unfinished	OL-KR39	PCK	GWMSUP	-	L3
22.11.2011	unfinished	OL-KR8	PCK	GWMSUP	-	L1
21.10.2013	unfinished	OL-TESTHOLE	OTHER	-	PMP	-
1.3.2017	5.6.2018	OL-KR12	PCK	OPEN	-	-
8.9.2017	18.2.2019	OL-KR6	PMPTEST	-	PMP	-
27.9.2017	1.10.2018	OL-KR11	PCK	GWMSUP	-	L3
27.9.2017	8.10.2018	OL-KR13	PCK	GWMSUP	-	L2
28.9.2017	23.7.2018	OL-KR11	GWS	-	-	L3
28.9.2017	8.10.2018	OL-KR13	GWS	-	-	L2
18.10.2017	12.6.2018	OL-KR28	PCK	OPEN	-	-
9.11.2017	22.1.2018	OL-KR56	GWS	PAVE	NP	-
11.11.2017	21.1.2018	ONK-TR-TT-4505-421	LEAK	-	-	PL4505-421
11.11.2017	23.3.2018	ONK-TR-TT-4665-514	LEAK	-	-	PL4665-514
23.11.2017	28.2.2018	OL-KR25	PCK	GWMSUP	-	L3
29.11.2017	30.5.2018	OL-KR12	PCK	MPI	-	-
2.12.2017	5.10.2018	OL-KR10	PCK	SFAILURE	-	L4
13.12.2017	unfinished	OL-KR46	GWS	DBL	NP	-
2.1.2018	5.2.2018	OL-KR56	GWS	PAVE	NP	-
3.1.2018	3.1.2018	OL-PP66	GWS	-	-	-
3.1.2018	3.1.2018	OL-PP67	GWS	-	-	-
3.1.2018	3.1.2018	OL-PP68	GWS	-	-	-
4.1.2018	9.1.2018	ONK-PP508	DRILL	-	-	PL3620
4.1.2018	4.1.2018	ONK-PP471-474	FILL	-	-	-
4.1.2018	4.1.2018	ONK-KR16	GWS	-	-	L7
4.1.2018	16.1.2018	ONK-KR16	PCK	GWMSUP	-	L7
4.1.2018	7.1.2018	ONK-IC-TT-4505-421	DRILL	-	-	PL4505-421
4.1.2018	4.1.2018	ONK-PP471-474	CLP	-	PMP	-
5.1.2018	5.1.2018	ONK-IC-KU5-0-r43-45	FILL	-	-	-
5.1.2018	5.1.2018	ONK-IC-KU5-0-r43-45	CLP	-	PMP	-
8.1.2018	8.1.2018	ONK-PP503-506	LEAK	-	-	-
8.1.2018	20.3.2018	OL-KR40	PCK	GWMSUP	-	L3
8.1.2018	11.1.2018	ONK-PP503-506	GRT	-	-	-
9.1.2018	12.3.2018	OL-KR40	PCK	SFAILURE	-	L8
10.1.2018	10.1.2018	ONK-TR-TT-4665-359	DRILL	-	-	PL4665-359
10.1.2018	11.1.2018	OL-KR28	PFL	DOPP	-	-
11.1.2018	11.1.2018	ONK-TR-TT-4665-359	PCK	TEMP	-	PL4665-359
11.1.2018	11.1.2018	ONK-PP471-474	FILL	-	-	-
11.1.2018	1.3.2018	OL-KR40	GWS	-	-	L3
11.1.2018	11.1.2018	OL-KR28	PFL	DOPP	-	-
11.1.2018	30.1.2018	OL-KR28	PFL	DOPP	-	-
12.1.2018	13.1.2018	ONK-TR-TT-4505-421	WLM	-	-	PL4505-421
12.1.2018	13.1.2018	ONK-TR-TT-4665-359	WLM	-	-	PL4665-359
13.1.2018	13.1.2018	ONK-TT-4505-80	DRILL	-	-	PL4505-80

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date1	date2	BH	code1	code2	code3	Level
14.1.2018	14.1.2018	ONK-INJ-TT-4505-421	DRILL	-	-	PL4505-421
15.1.2018	1.2.2018	ONK-PP509-512	DRILL	-	-	-
15.1.2018	18.1.2018	ONK-PP511	DRILL	-	-	-
15.1.2018	16.1.2018	OL-KR54	PCK	SFAILURE	-	L2
15.1.2018	15.1.2018	ONK-TR-TT-4505-421	PCK	TEMP	-	PL4505-421
16.1.2018	16.1.2018	ONK-PH21	PCK	PPI	-	-
16.1.2018	16.1.2018	ONK-PH22	PCK	PPI	-	-
16.1.2018	16.1.2018	ONK-PVA11	PCK	PPI	-	-
16.1.2018	23.2.2018	ONK-PP509-512	LEAK	-	-	-
17.1.2018	18.1.2018	ONK-TR-TT-4505-421	PCK	TEMP	-	PL4505-421
18.1.2018	19.1.2018	ONK-TR-TT-4399-109-29	DRILL	-	-	PL4399-109-29
19.1.2018	21.1.2018	ONK-IC-TT-4505-421	GRT	-	-	PL4505-421
19.1.2018	19.1.2018	ONK-TR-TT-4505-296	DRILL	-	-	PL4505-296
20.1.2018	20.1.2018	ONK-TR-TT-4505-296	WLM	-	-	PL4505-296
20.1.2018	20.1.2018	ONK-TR-TT-4505-236-30	DRILL	-	-	PL4505-236-30
21.1.2018	22.1.2018	ONK-TR-TT-4505-236-30	WLM	-	-	PL4505-236-30
22.1.2018	24.1.2018	ONK-PP512	DRILL	-	-	-
23.1.2018	23.1.2018	ONK-INJ-TT-4665-514	GRT	-	-	PL4665-514
23.1.2018	24.1.2018	ONK-TR-TT-4399-109-29	WLM	-	-	PL4399-109-29
25.1.2018	30.1.2018	ONK-PP510	DRILL	-	-	-
25.1.2018	25.1.2018	ONK-IC-TT-4505-421	DRILL	-	-	PL4505-421
25.1.2018	25.1.2018	ONK-IC-TT-4505-421	PCK	TEMP	-	PL4505-421
25.1.2018	28.1.2018	ONK-IC-TT-4505-421	WLM	-	-	PL4505-421
26.1.2018	26.1.2018	OL-KR15	PCK	PPI	-	-
26.1.2018	26.1.2018	OL-KR19	PCK	PPI	-	-
26.1.2018	26.1.2018	ONK-IC-TT-4665-514	DRILL	-	-	PL4665-514
29.1.2018	30.1.2018	ONK-IC-TT-4665-514	WLM	-	-	PL4665-514
30.1.2018	1.2.2018	ONK-PP509	DRILL	-	-	-
30.1.2018	13.2.2018	OL-KR28	PFL	DOPP	-	519.2
31.1.2018	1.2.2018	ONK-PP509	WLM	-	-	-
1.2.2018	1.2.2018	ONK-TR-TT-4665-369	DRILL	-	-	PL4665-369
1.2.2018	1.2.2018	ONK-TR-TT-4665-370-5	DRILL	-	-	PL4665-370-5
2.2.2018	2.2.2018	ONK-TR-TT-4665-369	PCK	TEMP	-	PL4665-369
3.2.2018	5.2.2018	ONK-TR-TT-4665-369	WLM	-	-	PL4665-369
5.2.2018	12.2.2018	ONK-PH21	PCK	GWMSUP	-	L4
5.2.2018	8.2.2018	ONK-PH22	PCK	GWMSUP	-	L2
5.2.2018	9.2.2018	ONK-PP509-512	PFL	-	-	-
5.2.2018	6.2.2018	ONK-TR-TT-4665-370-5	WLM	-	-	PL4665-370-5
6.2.2018	6.2.2018	ONK-TYT-4399-21-95	FILL	-	-	PL4399-21-95
6.2.2018	12.2.2018	ONK-PH21	GWS	-	-	L4
6.2.2018	8.2.2018	ONK-PH22	GWS	-	-	L2
7.2.2018	7.2.2018	ONK-PH21	GWS	-	-	L4
7.2.2018	7.2.2018	ONK-PH22	GWS	-	-	L2
8.2.2018	8.2.2018	ONK-TR-TT-4505-322	DRILL	-	-	PL4505-322
9.2.2018	11.2.2018	ONK-IC-TT-4505-421	FILL	-	-	PL4505-421
9.2.2018	10.2.2018	ONK-TR-TT-4505-322	WLM	-	-	PL4505-322
11.2.2018	13.2.2018	ONK-IC-TT-4665-514	FILL	-	-	PL4665-514
12.2.2018	26.2.2018	ONK-PH21	PCK	GWMSUP	-	L6
12.2.2018	13.2.2018	ONK-PH22	PCK	GWMSUP	-	L4

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date1	date2	BH	code1	code2	code3	Level
13.2.2018	13.2.2018	ONK-TR-TT-4505-322	PCK	TEMP	-	PL4505-322
13.2.2018	13.2.2018	ONK-PH21	GWS	-	-	L6
13.2.2018	13.2.2018	ONK-PH22	GWS	-	-	L4
14.2.2018	15.2.2018	OL-KR28	PFL	DOPP	-	-
15.2.2018	15.2.2018	ONK-INJ-TT-4665-514	PCK	TEMP	-	PL4665-514
15.2.2018	19.2.2018	OL-KR25	PCK	FWR	-	L3
16.2.2018	26.2.2018	OL-KR54	PCK	SFAILURE	-	L2
16.2.2018	16.2.2018	ONK-KPE5-1940	FILL	-	-	-
16.2.2018	1.3.2018	OL-KR28	PFL	DOPP	-	-
19.2.2018	19.2.2018	ONK-PP509-512	PCK	TEMP	-	-
20.2.2018	24.2.2018	ONK-PP509-512	GRT	-	-	-
20.2.2018	8.3.2018	OL-KR41	PFL	-	PMP	-
21.2.2018	21.2.2018	ONK-KR15	GWS	-	-	-
26.2.2018	14.3.2018	ONK-PP513-516	DRILL	-	-	-
26.2.2018	3.4.2018	ONK-PP513-516_520-522	LEAK	-	-	-
26.2.2018	1.3.2018	ONK-PP516	DRILL	-	-	-
26.2.2018	26.2.2018	ONK-PP509-512	PCK	TEMP	-	-
26.2.2018	5.3.2018	ONK-PH21	GWS	-	-	L2
26.2.2018	5.3.2018	ONK-PH21	PCK	GWMSUP	-	L2
27.2.2018	7.3.2018	OL-KR18	PCK	SFAILURE	-	L2
27.2.2018	1.3.2018	ONK-PP516	WLM	-	-	-
28.2.2018	28.2.2018	ONK-PP517	DRILL	-	-	PL4399-44
28.2.2018	28.2.2018	ONK-PP518	DRILL	-	-	PL4399-44
28.2.2018	3.3.2018	OL-KR2	PCK	SFAILURE	-	-
1.3.2018	6.3.2018	ONK-PP513	DRILL	-	-	-
1.3.2018	1.3.2018	ONK-PP519	DRILL	-	-	PL4399-44
5.3.2018	7.3.2018	ONK-PP513	WLM	-	-	-
6.3.2018	6.3.2018	OL-KR14	PCK	CAL	-	-
6.3.2018	20.6.2018	OL-KR40	PCK	GWMSUP	-	L2
6.3.2018	6.3.2018	OL-PP67	GWS	-	-	Lx
6.3.2018	6.3.2018	OL-PP68	GWS	-	-	Lx
6.3.2018	7.3.2018	ONK-TR-TT-4505-341	DRILL	-	-	PL4505-341
6.3.2018	6.3.2018	OL-PP66	GWS	-	-	L2
7.3.2018	9.3.2018	ONK-PP515	DRILL	-	-	-
7.3.2018	8.3.2018	ONK-TR-TT-4505-341	WLM	-	-	PL4505-341
7.3.2018	7.3.2018	OL-KR2	PCK	SFAILURE	-	L1
7.3.2018	7.3.2018	ONK-TR-TT-4505-341	PCK	TEMP	-	PL4505-341
8.3.2018	9.3.2018	ONK-PP515	WLM	-	-	-
8.3.2018	8.3.2018	ONK-TR-TT-4505-341	WLM	-	-	PL4505-341
8.3.2018	9.3.2018	ONK-TR-TT-4505-399	DRILL	-	-	PL4505-399
8.3.2018	23.3.2018	ONK-KU5-0-999	DRILL	-	-	-
8.3.2018	8.3.2018	ONK-PP515	OUTFLOW	-	-	-
8.3.2018	8.3.2018	ONK-TR-TT-4505-341	PCK	TEMP	-	PL4505-341
8.3.2018	9.3.2018	ONK-TR-TT-4505-419-8	DRILL	-	-	PL4505-419-8
8.3.2018	10.4.2018	ONK-TR-TT-4505-419-8	LEAK	-	-	PL4505-419-8
9.3.2018	9.3.2018	ONK-TR-TT-4505-419-8	PCK	TEMP	-	PL4505-419-8
10.3.2018	11.3.2018	ONK-TR-TT-4505-399	WLM	-	-	PL4505-399
12.3.2018	14.3.2018	ONK-PP514	DRILL	-	-	-

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date1	date2	BH	code1	code2	code3	Level
12.3.2018	12.3.2018	ONK-TR-TT-4505-7	PFL	-	-	PL4505-7
12.3.2018	16.3.2018	OL-KR40	PCK	FWR	-	L3
13.3.2018	13.3.2018	ONK-TR-TT-4505-419-8	WLM	-	-	PL4505-419-8
13.3.2018	14.3.2018	ONK-PP514	WLM	-	-	-
13.3.2018	24.4.2018	OL-KR40	GWS	-	-	L2
13.3.2018	13.3.2018	OL-KR11	PCK	CAL	-	-
14.3.2018	15.3.2018	ONK-TR-TT-4665-396	DRILL	-	-	PL4665-396
14.3.2018	14.3.2018	OL-KR47	PCK	SFAILURE	-	L3
14.3.2018	14.3.2018	ONK-KR1-4	GWS	-	-	-
14.3.2018	14.3.2018	ONK-PVA1-10	GWS	-	-	-
15.3.2018	16.3.2018	ONK-TR-TT-4665-396	WLM	-	-	PL4665-396
15.3.2018	22.5.2018	OL-KR4	PCK	GWMSUP	-	L4
15.3.2018	5.4.2018	OL-KR4	GWS	-	-	L4
16.3.2018	16.3.2018	ONK-INJ-TT-4665-514	DRILL	-	-	PL4665-514
16.3.2018	16.3.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
16.3.2018	16.3.2018	ONK-INJ-TT-4665-514	PCK	TEMP	-	PL4665-514
17.3.2018	17.3.2018	ONK-TR-TT-4665-370-26	DRILL	-	-	PL4665-370-26
17.3.2018	17.3.2018	ONK-TR-TT-4665-370-5	PCK	TEMP	-	PL4665-370-5
18.3.2018	23.3.2018	ONK-INJ-TT-4665-514	GRT	-	-	PL4665-514
18.3.2018	18.3.2018	ONK-TR-TT-4505-354	DRILL	-	-	PL4505-354
18.3.2018	18.3.2018	ONK-TR-TT-4505-354	PCK	TEMP	-	PL4505-354
19.3.2018	21.3.2018	ONK-PP520	DRILL	-	-	PL3081-39
19.3.2018	17.4.2018	ONK-PP520-522	DRILL	-	-	PL3081-39
19.3.2018	20.3.2018	ONK-KR16	PCK	GWMSUP	-	L7
19.3.2018	21.3.2018	ONK-PP520	WLM	-	-	-
20.3.2018	20.3.2018	ONK-TR-TT-4505-354	WLM	-	-	PL4505-354
20.3.2018	20.3.2018	ONK-KR16	GWS	-	-	L7
22.3.2018	9.5.2018	OL-KR58	GWS	PAVE	PMP	-
22.3.2018	23.3.2018	ONK-PP520	PFL	-	-	PL3081-39
25.3.2018	25.3.2018	ONK-PP513-516	PCK	TEMP	-	-
26.3.2018	26.3.2018	ONK-PH17	PCK	MPI	-	DT2
26.3.2018	6.4.2018	ONK-PH22	PCK	GWMSUP	-	L3
27.3.2018	16.4.2018	OL-KR15	PCK	SFAILURE	-	L3
27.3.2018	29.3.2018	ONK-INJ-TT-4505-419-8	DRILL	-	-	PL4505-419-8
28.3.2018	28.3.2018	ONK-PP513-516	PCK	TEMP	-	-
28.3.2018	4.4.2018	OL-KR37	PCK	PPM	-	-
28.3.2018	29.3.2018	OL-KR28	PCK	DPI	-	-
29.3.2018	3.4.2018	ONK-PP513-516	GRT	-	-	-
29.3.2018	29.3.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
30.3.2018	30.3.2018	OL-KR7	PCK	SFAILURE	-	L2
30.3.2018	30.3.2018	ONK-TR-TT-4665-420	DRILL	-	-	PL4665-420
30.3.2018	30.3.2018	ONK-TR-TT-4665-420	PCK	TEMP	-	PL4665-420
1.4.2018	17.4.2018	ONK-KU5-0-999	RB	-	-	-
4.4.2018	10.4.2018	ONK-PP522	DRILL	-	-	PL3081-39
4.4.2018	4.4.2018	ONK-TR-TT-4665-420	WLM	-	-	PL4665-420
5.4.2018	5.4.2018	OL-PP66	GWS	-	-	-
5.4.2018	5.4.2018	OL-PP67	GWS	-	-	-
5.4.2018	5.4.2018	OL-PP68	GWS	-	-	-
5.4.2018	5.4.2018	OL-KR7	PCK	SFAILURE	-	-

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date1	date2	BH	code1	code2	code3	Level
6.4.2018	unfinished	ONK-KU5-0-999	LEAK	-	-	-
6.4.2018	10.4.2018	ONK-INJ-TT-4505-419-8	GRT	-	-	PL4505-419-8
10.4.2018	10.4.2018	OL-KR52	PCK	CAL	-	-
10.4.2018	30.8.2018	OL-KR15	PCK	SFAILURE	-	L1
11.4.2018	17.4.2018	ONK-PP521	DRILL	-	-	PL3081-39
11.4.2018	11.4.2018	ONK-IC-TT-4665-514	DRILL	-	-	PL4665-514
11.4.2018	18.4.2018	ONK-PP522	WLM	-	-	-
11.4.2018	11.4.2018	ONK-IC-TT-4665-514	PCK	TEMP	-	PL4665-514
12.4.2018	18.4.2018	ONK-PP521	WLM	-	-	-
12.4.2018	12.4.2018	ONK-IC-TT-4665-514	OUTFLOW	-	-	PL4665-514
13.4.2018	13.4.2018	ONK-IC-TT-4665-514	WLM	-	-	PL4665-514
14.4.2018	14.4.2018	ONK-IC-TT-4505-419-8	DRILL	-	-	PL4505-419-8
14.4.2018	14.4.2018	ONK-IC-TT-4505-419-8	PCK	TEMP	-	PL4505-419-8
15.4.2018	16.4.2018	ONK-IC-TT-4505-419-8	WLM	-	-	PL4505-419-8
18.4.2018	18.4.2018	ONK-TR-TT-4665-442	DRILL	-	-	PL4665-442
18.4.2018	20.4.2018	ONK-PP521-522	PFL	-	-	-
19.4.2018	19.4.2018	ONK-TR-TT-4665-442	WLM	-	-	PL4665-442
20.4.2018	20.4.2018	ONK-IC-TT-4505-419-8	GRT	-	-	PL4505-419-8
20.4.2018	20.4.2018	OL-EP5	GWS	-	-	-
22.4.2018	22.4.2018	ONK-IC-TT-4505-419-8	DRILL	-	-	PL4505-419-8
22.4.2018	23.4.2018	ONK-IC-TT-4505-419-8	WLM	-	-	PL4505-419-8
26.4.2018	26.4.2018	ONK-KU5-3081	FILL	-	-	-
27.4.2018	27.4.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
29.4.2018	29.4.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
1.5.2018	1.5.2018	ONK-TR-TT-4665-460	DRILL	-	-	PL4665-460
2.5.2018	21.9.2018	OL-KR40	PCK	GWMSUP	-	L1
3.5.2018	23.5.2018	ONK-PP523-526	DRILL	-	-	PL3081-39
3.5.2018	6.6.2018	ONK-PP523-526	LEAK	-	-	PL3081-39
3.5.2018	8.5.2018	ONK-PP526	DRILL	-	-	PL3081-39
3.5.2018	3.5.2018	ONK-TR-TT-4665-460	WLM	-	-	PL4665-460
3.5.2018	12.6.2018	OL-KR40	GWS	-	-	L1
4.5.2018	7.5.2018	ONK-IC-TT-4505-419-8	GRT	-	-	PL4505-419-8
4.5.2018	8.5.2018	ONK-PP526	WLM	-	-	PL3081-39
4.5.2018	4.5.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
4.5.2018	4.6.2018	OL-KR40	PCK	FWR	-	L2
7.5.2018	7.5.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
7.5.2018	18.6.2018	OL-KR4	GWS	-	-	L3
7.5.2018	20.7.2018	OL-KR4	PCK	GWMSUP	-	L3
7.5.2018	7.5.2018	OL-KR51	PCK	CAL	-	-
8.5.2018	15.5.2018	ONK-PP523	DRILL	-	-	PL3081-39
8.5.2018	8.5.2018	ONK-IC-TT-4505-419-8	DRILL	-	-	PL4505-419-8
9.5.2018	10.5.2018	ONK-IC-TT-4505-419-8	WLM	-	-	PL4505-419-8
9.5.2018	9.5.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
9.5.2018	9.5.2018	OL-PP66	GWS	-	-	-
9.5.2018	9.5.2018	OL-PP67	GWS	-	-	-
9.5.2018	9.5.2018	OL-PP68	GWS	-	-	-
14.5.2018	14.5.2018	OL-KR15	PCK	PPI	-	-
15.5.2018	17.5.2018	ONK-PP524	DRILL	-	-	PL3081-39
15.5.2018	17.5.2018	ONK-PP524	WLM	-	-	PL3081-39

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15.5.2018	12.6.2018	OL-KR28	PCK	MPI	-	-
15.5.2018	24.5.2018	OL-KR12	PCK	FWR	-	-
18.5.2018	18.5.2018	OL-KR54	PCK	CAL	-	-
18.5.2018	18.5.2018	OL-KR4	PCK	FWR	-	L4
18.5.2018	18.5.2018	ONK-TR-TT-4665-460	FILL	-	-	PL4665-460
18.5.2018	18.5.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
19.5.2018	21.5.2018	ONK-IC-TT-4505-419-8	FILL	-	-	PL4505-419-8
20.5.2018	29.5.2018	ONK-KU5-999-1940	DRILL	-	-	-
20.5.2018	unfinished	ONK-KU5-999-1940	LEAK	-	-	-
21.5.2018	23.5.2018	ONK-PP525	DRILL	-	-	PL3081-39
21.5.2018	29.6.2018	OL-KR6	GWS	PAVE	NP	-
21.5.2018	23.5.2018	ONK-PP525	WLM	-	-	PL3081-39
22.5.2018	22.5.2018	OL-KR45	PCK	CAL	-	-
22.5.2018	22.5.2018	OL-KR49	PCK	CAL	-	-
24.5.2018	28.5.2018	ONK-PP523-526	PFL	-	-	-
27.5.2018	27.5.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
28.5.2018	28.5.2018	OL-KR55	PCK	CAL	-	-
29.5.2018	30.5.2018	OL-PP56	PCK	GWMSUP	-	L2
29.5.2018	29.5.2018	OL-PP56	GWS	-	-	L2
29.5.2018	13.6.2018	OL-KR33	PFL	TFM	NP	-
30.5.2018	31.5.2018	OL-PP56	PCK	GWMSUP	-	L1
3.6.2018	8.6.2018	OL-KR14	PCK	SFAILURE	-	L2
4.6.2018	5.6.2018	ONK-PP509-526	CLP	-	-	-
4.6.2018	18.6.2018	OL-PP56	PCK	GWMSUP	-	L3
5.6.2018	6.6.2018	ONK-PP527	DRILL	-	-	PL3620
5.6.2018	5.6.2018	ONK-TR-TT-4505-419-25	DRILL	-	-	PL4505-419-25
5.6.2018	5.6.2018	OL-KR12	PCK	GWMSON	-	-
5.6.2018	18.6.2018	OL-KR12	PCK	SFAILURE	-	L4
5.6.2018	17.8.2018	OL-KR58	GWS	-	PMP	-
5.6.2018	5.6.2018	OL-PP56	GWS	-	-	L3
5.6.2018	6.7.2018	ONK-KU5-999-1940	RB	-	-	-
6.6.2018	19.6.2018	OL-KR12	PCK	SFAILURE	-	L2
6.6.2018	6.6.2018	ONK-TR-TT-4505-419-25	WLM	-	-	PL4505-419-25
6.6.2018	12.6.2018	ONK-PP509-526	GRT	-	-	PL3081-39
7.6.2018	7.6.2018	ONK-TR-TT-4505-419-25	WLM	-	-	PL4505-419-25
7.6.2018	11.6.2018	OL-KR28	PCK	FWR	-	-
7.6.2018	7.6.2018	ONK-TR-TT-4505-419-25	PFL	-	-	PL4505-419-25
9.6.2018	9.6.2018	ONK-TR-TT-4505-419-25	DRILL	-	-	PL4505-419-25
10.6.2018	11.6.2018	ONK-TR-TT-4505-419-25	WLM	-	-	PL4505-419-25
12.6.2018	21.6.2018	OL-KR14	PCK	SFAILURE	-	L2
13.6.2018	7.1.2019	OL-KR40	PCK	FWR	-	L1
13.6.2018	13.6.2018	OL-PVP4A	SLUG	-	-	-
13.6.2018	13.6.2018	OL-PVP4B	SLUG	-	-	-
14.6.2018	15.6.2018	ONK-PP528	DRILL	-	-	PL3032
14.6.2018	21.9.2018	OL-KR44	PCK	GWMSUP	-	L1
14.6.2018	14.8.2018	OL-KR44	GWS	-	-	L1
14.6.2018	14.6.2018	OL-KR27	PCK	CAL	-	-
15.6.2018	29.6.2018	OL-KR12	PCK	SFAILURE	-	L7
15.6.2018	27.7.2018	OL-KR14	PCK	SFAILURE	-	L3



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15.6.2018	15.6.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
18.6.2018	19.6.2018	ONK-PP509-526	FILL	-	-	-
18.6.2018	20.6.2018	OL-KR31	PFL	TFM	NP	-
19.6.2018	5.7.2018	OL-KR12	PCK	SFAILURE	-	L1
19.6.2018	21.9.2018	OL-KR45	PCK	GWMSUP	-	L2
19.6.2018	19.6.2018	OL-KR40	PCK	CAL	-	-
22.6.2018	22.6.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
25.6.2018	5.7.2018	OL-KR58	OTHER	-	-	-
25.6.2018	26.6.2018	ONK-PP509-526	GRT	-	-	-
25.6.2018	25.6.2018	OL-KR47	PCK	CAL	-	-
25.6.2018	15.8.2018	OL-KR45	GWS	-	-	L2
26.6.2018	29.6.2018	OL-KR42	PFL	TFM	-	-
26.6.2018	26.6.2018	OL-PP66	GWS	-	-	-
26.6.2018	26.6.2018	OL-PP67	GWS	-	-	-
26.6.2018	26.6.2018	OL-PP68	GWS	-	-	-
26.6.2018	26.6.2018	OL-KR18	PCK	CAL	-	-
27.6.2018	29.6.2018	ONK-PP529	DRILL	-	-	-
27.6.2018	6.7.2018	ONK-PP529-532	DRILL	-	-	-
27.6.2018	14.7.2018	ONK-PP529-532	LEAK	-	-	-
28.6.2018	6.7.2018	OL-KR42	PFL	TFM	NP	-
28.6.2018	28.6.2018	OL-PVP41A	SLUG	-	-	-
28.6.2018	28.6.2018	OL-PVP41B	SLUG	-	-	-
28.6.2018	29.6.2018	ONK-PP529	WLM	-	-	-
29.6.2018	29.6.2018	OL-KR28	PCK	GWMSON	-	-
29.6.2018	12.11.2018	OL-KR28	PCK	GWMSUP	-	L1
29.6.2018	12.11.2018	OL-KR28	PCK	GWMSUP	-	L2
29.6.2018	12.11.2018	OL-KR28	PCK	GWMSUP	-	L3
29.6.2018	12.11.2018	OL-KR28	PCK	GWMSUP	-	L6
29.6.2018	17.8.2018	OL-KR6	GWS	PAVE	NP	-
30.6.2018	1.7.2018	ONK-PP531	DRILL	-	-	-
1.7.2018	1.7.2018	ONK-KU5-0-1940	OUTFLOW	-	-	-
2.7.2018	4.7.2018	ONK-PP530	DRILL	-	-	-
2.7.2018	2.7.2018	ONK-PP529	OUTFLOW	-	-	-
2.7.2018	2.7.2018	ONK-PP531	OUTFLOW	-	-	-
2.7.2018	2.7.2018	OL-PVP38A	SLUG	-	-	-
3.7.2018	3.7.2018	OL-KR44	PCK	CAL	-	-
4.7.2018	6.7.2018	ONK-PP532	DRILL	-	-	-
4.7.2018	4.7.2018	OL-PVP38B	SLUG	-	-	-
4.7.2018	4.7.2018	OL-PVP38C	SLUG	-	-	-
4.7.2018	4.7.2018	OL-PVP38D	SLUG	-	-	-
4.7.2018	4.7.2018	OL-KR50	PCK	CAL	-	-
5.7.2018	6.7.2018	ONK-PP532	WLM	-	-	-
6.7.2018	6.7.2018	ONK-PP529	OUTFLOW	-	-	-
6.7.2018	6.7.2018	ONK-PP530	OUTFLOW	-	-	-
6.7.2018	6.7.2018	ONK-PP531	OUTFLOW	-	-	-
6.7.2018	6.7.2018	ONK-PP532	OUTFLOW	-	-	-
9.7.2018	11.7.2018	ONK-PP529-532	PFL	-	-	-
10.7.2018	1.8.2018	ONK-CTPH5.1	DRILL	-	-	-
10.7.2018	12.7.2018	ONK-PP527	PFL	-	-	PL3620

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date1	date2	BH	code1	code2	code3	Level
12.7.2018	12.7.2018	OL-KR4	PCK	FWR	-	L3
12.7.2018	19.7.2018	OL-KR42	PFL	TFM	NP	-
14.7.2018	19.7.2018	ONK-PP529-532	GRT	-	-	-
16.7.2018	6.8.2018	OL-KR23	PCK	ERROR	-	-
17.7.2018	1.8.2018	ONK-CTPH5.1	WLM	-	-	-
20.7.2018	5.10.2018	OL-KR10	PCK	SFAILURE	-	L3
20.7.2018	25.7.2018	OL-KR36	PFL	TFM	NP	-
21.7.2018	22.7.2018	ONK-PP529-532	GRT	-	-	-
24.7.2018	27.7.2018	OL-PP70	SLUG	-	-	-
25.7.2018	25.7.2018	ONK-TR-TPH-4665-184-5	DRILL	-	-	-
26.7.2018	27.7.2018	ONK-TR-TPH-4665-184-5	WLM	-	-	-
26.7.2018	26.7.2018	OL-PP66	GWS	-	-	-
26.7.2018	26.7.2018	OL-PP67	GWS	-	-	-
26.7.2018	26.7.2018	OL-PP68	GWS	-	-	-
27.7.2018	11.9.2018	OL-KR14	PCK	OPEN	-	-
29.7.2018	10.8.2018	OL-KR44	PCK	ERROR	-	-
29.7.2018	10.8.2018	OL-KR45	PCK	ERROR	-	-
29.7.2018	15.8.2018	OL-KR40	PCK	SFAILURE	-	-
29.7.2018	23.8.2018	OL-KR19	PCK	SFAILURE	-	-
29.7.2018	23.8.2018	OL-KR3	PCK	ERROR	-	L2-L8
29.7.2018	30.7.2018	OL-KR51	PCK	SFAILURE	-	L7
30.7.2018	8.8.2018	OL-KR51	PCK	ERROR	-	-
31.7.2018	2.8.2018	OL-PP71	SLUG	-	-	-
1.8.2018	5.10.2018	OL-KR10	PCK	SFAILURE	-	L2
2.8.2018	13.8.2018	OL-KR4	PCK	GWMSUP	-	L6
2.8.2018	13.1.1900	OL-KR4	PCK	SFAILURE	-	-
3.8.2018	20.9.2018	OL-KR4	GWS	-	-	L6
7.8.2018	9.8.2018	OL-KR35	PFL	TFM	NP	-
7.8.2018	7.8.2018	OL-PP36	SLUG	-	-	-
7.8.2018	7.8.2018	OL-PP39	SLUG	-	-	-
8.8.2018	14.8.2018	ONK-PP536	DRILL	-	-	-
8.8.2018	23.8.2018	ONK-PP533-536	DRILL	-	-	-
8.8.2018	3.9.2018	ONK-PP533-536	LEAK	-	-	-
8.8.2018	8.8.2018	OL-PP39	SLUG	-	-	-
8.8.2018	14.8.2018	ONK-PP536	WLM	-	-	-
10.8.2018	15.8.2018	OL-KR45	PCK	SFAILURE	-	L1_L4_L8
11.8.2018	6.9.2018	ONK-KU5-1940-3081	DRILL	-	-	-
12.8.2018	12.8.2018	ONK-TR-TT-4505-232-15	FILL	-	-	PL4505-232-15
12.8.2018	12.8.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
12.8.2018	12.8.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
12.8.2018	12.8.2018	ONK-KU5-999-1940	OUTFLOW	-	-	-
12.8.2018	12.8.2018	ONK-KU5-999-1940	OUTFLOW	-	-	-
13.8.2018	16.8.2018	OL-KR14	PCK	MPR	-	-
15.8.2018	17.8.2018	ONK-PP535	DRILL	-	-	-
15.8.2018	20.8.2018	ONK-PP535	WLM	-	-	-
16.8.2018	16.8.2018	OL-PVP4A	SLUG	-	-	-
17.8.2018	14.9.2018	OL-KR58	GWS	FR	PMP	-

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20.8.2018	23.8.2018	ONK-PP533	DRILL	-	-	-
20.8.2018	30.8.2018	ONK-CTPH5.1	PFL	-	-	-
23.8.2018	23.8.2018	ONK-PP533	WLM	-	-	-
24.8.2018	11.9.2018	OL-KR3	PCK	SFAILURE	-	L3
24.8.2018	26.9.2018	OL-KR3	PCK	SFAILURE	-	L7-L8
24.8.2018	27.8.2018	ONK-PP533-536	PFL	-	-	-
24.8.2018	13.9.2018	OL-KR45	PCK	FWR	-	L2
27.8.2018	11.9.2018	OL-KR14	PCK	MPI	-	-
27.8.2018	30.8.2018	ONK-PVA13	DRILL	-	-	-
27.8.2018	27.8.2018	OL-KR4	PCK	CAL	-	-
28.8.2018	28.8.2018	OL-KR1	PCK	CAL	-	-
30.8.2018	5.9.2018	OL-KR14	PCK	FWR	-	-
30.8.2018	30.8.2018	OL-KR15	PCK	SFAILURE	-	L1
30.8.2018	30.8.2018	OL-PP66	GWS	-	-	-
30.8.2018	30.8.2018	OL-PP67	GWS	-	-	-
30.8.2018	30.8.2018	OL-PP68	GWS	-	-	-
30.8.2018	30.8.2018	OL-KR15	PCK	CAL	-	-
30.8.2018	5.9.2018	OL-KR15B	PCK	SFAILURE	-	L1-L2
3.9.2018	4.9.2018	ONK-PP533-536	GRT	-	-	-
3.9.2018	7.9.2018	ONK-PVA13	PFL	-	-	-
4.9.2018	5.9.2018	ONK-PVA12	DRILL	-	-	PL999
4.9.2018	7.9.2018	ONK-CTPH5.1	PCK	MPI	-	-
4.9.2018	5.9.2018	ONK-PP533-536	FILL	-	-	-
5.9.2018	5.9.2018	OL-KR16	PCK	CAL	-	-
8.9.2018	21.9.2018	OL-KR49	PCK	SFAILURE	-	L5
9.9.2018	9.9.2018	ONK-KU5-0-3081	OUTFLOW	-	-	-
9.9.2018	9.9.2018	ONK-KU5-0-999	OUTFLOW	-	-	-
9.9.2018	9.9.2018	ONK-KU5-1940-3081	OUTFLOW	-	-	-
9.9.2018	9.9.2018	ONK-KU5-999-1940	OUTFLOW	-	-	-
10.9.2018	13.9.2018	ONK-PVA12	PFL	-	-	-
11.9.2018	15.9.2018	ONK-KU5-1940-3081	OUTFLOW	-	-	-
12.9.2018	29.10.2018	OL-KR6	GWS	-	PMP	-
12.9.2018	12.9.2018	OL-KR19	PCK	CAL	-	-
13.9.2018	2.10.2018	ONK-CTPH5.1	GWS	-	-	L4
13.9.2018	13.9.2018	ONK-PH17	PCK	PPI	-	-
13.9.2018	13.9.2018	ONK-PVA11	PCK	PPI	-	-
13.9.2018	13.9.2018	OL-KR17	PCK	CAL	-	-
13.9.2018	14.10.2018	ONK-KU5-1940-3081	RB	-	-	-
14.9.2018	14.9.2018	OL-KR3	PCK	SFAILURE	-	L3
14.9.2018	17.9.2018	OL-KR44	PCK	FWR	-	L1
17.9.2018	17.9.2018	OL-KR2	PCK	CAL	-	-
18.9.2018	20.9.2018	OL-KR20	PCK	ERROR	-	-
18.9.2018	20.9.2018	OL-KR1	PCK	ERROR	-	-
19.9.2018	2.1.2019	OL-KR1	PCK	GWMSUP	-	L2
19.9.2018	19.11.2018	OL-KR20	PCK	GWMSUP	-	L1
19.9.2018	14.11.2018	OL-KR1	GWS	-	-	L2
19.9.2018	13.11.2018	OL-KR20	GWS	-	-	L1
20.9.2018	15.1.2019	OL-KR58	PCK	MPI	-	-
20.9.2018	28.9.2018	OL-KR11	PCK	FWR	-	L3

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date1	date2	BH	code1	code2	code3	Level
20.9.2018	21.9.2018	OL-KR4	PCK	GWMSUP	-	L3
21.9.2018	28.11.2018	OL-KR40	PCK	SFAILURE	-	L1
21.9.2018	unfinished	OL-KR45	PCK	SFAILURE	-	L1
26.9.2018	26.9.2018	OL-KR4	PCK	FWR	-	L6
26.9.2018	26.9.2018	OL-KR3	PCK	SFAILURE	-	L8
26.9.2018	26.9.2018	OL-KR4	PCK	PPM	-	-
26.9.2018	26.9.2018	OL-KR22	PCK	CAL	-	-
27.9.2018	27.9.2018	OL-PP66	GWS	-	-	-
27.9.2018	27.9.2018	OL-PP67	GWS	-	-	-
27.9.2018	27.9.2018	OL-PP68	GWS	-	-	-
28.9.2018	unfinished	OL-KR23	PCK	PPM	-	-
2.10.2018	2.10.2018	ONK-CTPH5.1	PCK	MPR	-	-
3.10.2018	3.10.2018	OL-KR13	PCK	FWR	-	L2
4.10.2018	4.10.2018	OL-KR4	PCK	PPI	-	-
5.10.2018	30.10.2018	OL-KR10	PCK	PPM	-	-
9.10.2018	9.10.2018	OL-KR4	PCK	PPI	-	-
10.10.2018	10.10.2018	OL-KR4	PCK	PPI	-	-
11.10.2018	11.10.2018	OL-KR14	PCK	GWMSON	-	-
11.10.2018	unfinished	OL-KR44	PCK	GWMSUP	-	L3
12.10.2018	12.10.2018	ONK-TT-4505-419-xx	GRT	-	-	PL4505-419-xx
12.10.2018	unfinished	OL-KR44	GWS	-	-	L3
15.10.2018	17.10.2018	OL-PP56	GWS	-	-	L3
18.10.2018	19.10.2018	OL-PP56	GWS	-	-	L2
19.10.2018	6.11.2018	OL-KR58	PCK	FWR	-	-
19.10.2018	19.10.2018	ONK-PVA8	GWS	-	-	-
22.10.2018	23.10.2018	ONK-TR-TT-4399-109-33-4	DRILL	-	-	-
23.10.2018	23.10.2018	OL-KR4	PCK	PPI	-	-
23.10.2018	23.10.2018	OL-KR8	PCK	CAL	-	-
24.10.2018	24.10.2018	ONK-TR-TT-4399-109-33-4	WLM	-	-	-
24.10.2018	26.10.2018	ONK-PVA13	LEAK	-	-	-
24.10.2018	8.1.2019	OL-KR46	PCK	MPI	-	-
24.10.2018	24.10.2018	OL-KR29	PCK	CAL	-	-
25.10.2018	25.10.2018	ONK-KR16	GWS	-	-	L7
29.10.2018	29.10.2018	OL-KR39	PCK	CAL	-	-
29.10.2018	29.10.2018	OL-KR20	PCK	SFAILURE	-	-
29.10.2018	29.10.2018	OL-KR4	PCK	PPI	-	-
30.10.2018	unfinished	OL-KR10	PCK	OPEN	-	-
30.10.2018	30.10.2018	OL-KR10	PCK	GWMSOFF	-	-
30.10.2018	30.10.2018	OL-KR28	PCK	PPI	-	-
30.10.2018	30.10.2018	OL-KR9	PCK	CAL	-	-
1.11.2018	unfinished	OL-KR28	PCK	OPEN	-	-
1.11.2018	12.11.2018	OL-KR28	PCK	PPM	-	-
6.11.2018	6.11.2018	OL-KR23	PCK	CAL	-	-
7.11.2018	7.11.2018	OL-PVP13	GWS	-	-	-
7.11.2018	7.11.2018	OL-PVP18A	GWS	-	-	-
9.11.2018	28.11.2018	OL-KR6	GWS	-	-	-
10.11.2018	10.11.2018	ONK-TR-TT-4399-109-	DRILL	-	-	-

## Appendix 5

date1	date2	BH	code1	code2	code3	Level
		33-10				
12.11.2018	12.11.2018	OL-KR28	PCK	GWMSOFF	-	-
12.11.2018	12.11.2018	ONK-TR-TT-4399-109-33-10	PFL	-	-	-
13.11.2018	13.11.2018	ONK-TR-TT-4399-109-33-10	WLM	-	-	-
13.11.2018	23.11.2018	OL-KR20	PCK	SFAILURE	-	L4
13.11.2018	9.1.2019	OL-KR20	GWS	-	-	L2
13.11.2018	9.1.2019	OL-KR20	PCK	GWMSUP	-	L2
14.11.2018	24.1.2019	OL-KR52	GWS	-	-	L1
14.11.2018	14.11.2018	OL-KR13	PCK	CAL	-	-
14.11.2018	unfinished	OL-KR52	PCK	GWMSUP	-	L1
15.11.2018	16.11.2018	OL-KR1	PCK	FWR	-	L2
15.11.2018	31.1.2019	OL-KR45	GWS	-	-	L3
15.11.2018	unfinished	OL-KR45	PCK	GWMSUP	-	L3
16.11.2018	19.11.2018	OL-KR20	PCK	FWR	-	L1
17.11.2018	17.11.2018	ONK-TR-TT-4399-109-33-10	DRILL	-	-	PL4399-109-33-10
18.11.2018	19.11.2018	ONK-TR-TT-4399-109-33-10	WLM	-	-	PL4399-109-33-10
19.11.2018	19.11.2018	ONK-KR15	GWS	-	-	-
19.11.2018	20.11.2018	ONK-PVA3	GWS	-	-	-
20.11.2018	25.11.2018	OL-KR19	PCK	SFAILURE	-	L8
21.11.2018	21.11.2018	OL-PP66	GWS	-	-	-
21.11.2018	21.11.2018	OL-PP67	GWS	-	-	-
21.11.2018	21.11.2018	OL-PP68	GWS	-	-	-
22.11.2018	22.11.2018	OL-EP5	GWS	-	-	-
26.11.2018	26.11.2018	ONK-PVA10	PCK	PPI	-	-
26.11.2018	7.12.2018	ONK-KU5-3081-4951	DRILL	-	-	-
27.11.2018	27.11.2018	ONK-PVA12	PCK	SPI	-	-
27.11.2018	27.11.2018	ONK-PVA10	PCK	PPI	-	-
27.11.2018	27.11.2018	OL-KR3	PCK	CAL	-	-
28.11.2018	8.1.2019	OL-KR40	PCK	GWMSUP	-	L1
28.11.2018	29.11.2018	OL-KR40	PCK	SFAILURE	-	L5
28.11.2018	28.11.2018	OL-KR40	PCK	PPI	-	-
28.11.2018	28.11.2018	ONK-PVA12	PCK	PPI	-	-
29.11.2018	30.11.2018	ONK-PVA13	LEAK	-	-	-
29.11.2018	30.11.2018	ONK-PVA13	PCK	MPI	-	-
29.11.2018	23.1.2019	OL-KR44	GWS	-	-	L5
29.11.2018	31.1.2019	OL-KR44	PCK	GWMSUP	-	L5
29.11.2018	7.1.2019	OL-KR40	PCK	FWR	-	L1
30.11.2018	30.11.2018	ONK-PP439	PFL	-	-	-
30.11.2018	30.11.2018	ONK-PP274	PFL	-	-	-
3.12.2018	3.12.2018	ONK-PP438	PFL	-	-	-
3.12.2018	18.12.2018	OL-KR46	PCK	FWR	-	-
3.12.2018	4.12.2018	ONK-PVA13	LEAK	-	-	-
3.12.2018	4.12.2018	ONK-PVA13	PCK	MPI	-	-
3.12.2018	3.12.2018	ONK-PP262	PFL	-	-	-
4.12.2018	4.12.2018	ONK-PVA8	GWS	-	-	-

## Appendix 5

date1	date2	BH	code1	code2	code3	Level
4.12.2018	4.12.2018	OL-KR7	PCK	CAL	-	-
4.12.2018	4.12.2018	ONK-PP440	PFL	-	-	-
7.12.2018	7.12.2018	ONK-PP440	PFL	-	-	-
9.12.2018	3.1.2019	OL-KR17B	PCK	SFAILURE	-	L1
10.12.2018	10.12.2018	ONK-PP438	PFL	-	-	-
11.12.2018	11.12.2018	ONK-PP274	PFL	-	-	-
11.12.2018	unfinished	OL-KR28	PCK	MPR	-	-
11.12.2018	11.12.2018	OL-KR37	PCK	CAL	-	-
12.12.2018	unfinished	ONK-PH22	GWS	-	-	L4
14.12.2018	14.12.2018	ONK-PVA12	PCK	PPI	-	-
16.12.2018	17.12.2018	ONK-PVA12	GWS	-	-	-
17.12.2018	17.12.2018	ONK-PVA13	GWS	-	-	-
19.12.2018	unfinished	ONK-KU5-3081-4951	RB	-	-	-
21.12.2018	21.12.2018	ONK-PVA12	PCK	PPI	-	-
21.12.2018	13.3.2019	OL-KR20	GWS	-	-	L4
21.12.2018	13.3.2019	OL-KR20	PCK	GWMSUP	-	L4