



GROSVENOR COAL MINE  
FRM-PUR & URS Application Report

## PUR-GEOFLEX INJECTION REPORT

Mine: ⇒ GRC	Location: ⇒ MG104	DATE: ⇒ 3-5-20
P/O Number: ⇒	ERZ Controller Name: ⇒ T. Lawrence	ERZ Controller Signature: ⇒ [REDACTED]
Shift Report No. ⇒	Total product pumped (Kg) ⇒	

No.	SET-UP CHECK LIST	
1.	Notify the statutory official on arrival at work location	/
2.	Complete Pre Start Meeting, Take5 or JSERA if required	/
3.	Establish the First Aid Kit	/
4.	Establish positive communication between the pump and injection site	/
5.	Establish the location of the firefighting station. Equipment required as a minimum is to be located at the outbye side of the pump and injection point.	/
6.	Clear the site of paper and unnecessary materials	/
7.	Locate the pump on level ground and in a protected area	/
8.	Check Hoses and Fittings are clear	/
9.	Check IBC Pods are clear	/
10.	Check IBC product pods are positioned on level ground	/
11.	Fit Suction Hoses to Pumps	/
12.	Fit Suction Hoses to IBC - <b>BLACK to BLACK, WHITE to WHITE</b>	/
13.	Remove caps from by-pass hoses	/
14.	Check return line pressure relief ball valves on PUR/USR pump are in the CLOSED position	/
15.	Ensure positive isolation has occurred	/
16.	Run out high pressure hoses from PUR/USR pump to injection site	/
17.	Fit high pressure hoses to both sides of the PUR/USR pump and fit with staples	/
18.	Ensure shut-off valves are fitted to high pressure hoses on both sides	/
19.	Check air supply line is clear then connect to PUR/USR pump ensuring that all valves are in the off position	/

GRO-9458-FRM-Polyurethane (PUR) and Urea Silicate Resin (USR) Application Report	Original Issue Date: 02/07/2017	Version: 3	Printed: 13/03/2020
		Date of Issue: 10/09/2018	Page 1 of 7

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GROSVENOR COAL MINE

FRM-PUR & URS Application Report

20.	Ensure all operators are wearing appropriate PPE	✓
21.	Set up "ZOO" and "RAA"	✓
22.	Drain oil from the by-pass hoses into a waste container (under low pressure)	✓
23.	Close both valves on output side of PUR/USR pump, open both valves on return line side	✓
24.	Start pump and re-circulate both A and B products	✓
25.	Drain oil from high pressure hoses into a waste container (under low Pressure)	✓
26.	When product commences flowing shut-off air & product ball valves, depressurize the system, and connect y-piece to the injection lines	✓
27.	Take PUR/USR sample at the injection site	✓
28.	Connect the Y-Piece to the first PUR/USR hole feed pipe.	✓
29.	Final check on all hoses & connections from the pump to the nozzle <b>YOU ARE NOW READY FOR PUMPING!</b>	✓
<b>No.</b>	<b>COMPLETION / CLEAN-UP CHECK LIST</b>	✓
1.	Drain any product from suction and return lines of pump back into the relevant IBC	✓
2.	Pump oil through PUR/USR pump, delivery, injection and recirculation hoses until all product is removed and transfer any contaminated product into waste containers	✓
3.	Roll up suction hoses and return to the equipment pod	✓
4.	Reclaim all tools, feed pipes, packers and equipment and return to equipment pod	✓
5.	Wash down pump and hoses with mine pressure water before packing into pod	✓
6.	Wipe down pumps with a clean rag before packing them into the equipment pod	✓
7.	If hoses are to remain along the injection site, secure to rib or pan line fully capped and stapled	✓
8.	Roll up all HP hoses and join back into themselves using staple locks and joiners and secure for transportation or secure to back of pan line if being left on L/W face	✓
9.	Attach appropriate tags to all pods and check all locks are in place.	✓
10.	Check site for any exposed resin (prepare for disposal) or spills (cover with stone dust)	✓
11.	Check site for any remaining rubbish and prepare for disposal	✓
12.	Remove your "Personal Danger Tags" and any isolation systems no longer required	✓
13.	Complete relevant check list and report forms.	✓
14.	Inform statutory official that you are leaving his district.	✓
15.	Ensure random Polymeric testing has been conducted. 1 in 5 marble process is to be used.	✓

Supervisor: *Andrew Paine*

Signature: [Redacted]

GRO-9458-FRM-Polyurethane (PUR) and Urea Silicate Resin (USR) Application Report	Original Issue Date:	Version:	3	Printed: 13/03/2018
	02/07/2017	Date of Issue:	10/09/2018	Page 2 of 7



GROSVENOR COAL MINE  
FRM-Polyurethane (PUR) and Urea Silicate Resin (USR) Application Report

LOG OF HOLES

HOLE #	FLOOR	ROOF	RIB	CHAINAGE CHOCK #	FEED PIPE	PACKER	GRP	HOLE DEPTH (M)	Nozzle PRESS URE Start/finish	PODS USED	Comments	EST. LITRES PER HOLE
1			✓	132	2	1	3	6M	40 / 40		B	180L
2			✓	131	2	1	3	6M	40 / 40		A	180L
3			✓	130	2	1	3	6M	40 / 40		A	180L
4			✓	129	2	1	3	6M	40 / 40		B	72L
5			✓	128	2	1	2	4M	40 / 40		A	180L
6			✓	127	2	1	2	4M	40 / 50		A	180L
7			✓	126	2	1	2	4M	40 / 50		A	180L
8			✓	125	2	1	2	4M	50 / 30		A	180L
9			✓	124	2	1	2	4M	30 / 30		E	72L 180L
10			✓	123	2	1	2	4M	30 / 40		A	180L
11			✓	122	2	1	2	4M	30 / 40		A	180L
12			✓	121	2	1	2	4M	30 / 40		B	180L
13			✓	120	2	1	2	4M	30 / 40		E Pregrat	40L
14			✓	119	2	1	2	4M	30 / 40		A	180L
15			✓	118	2	1	2	4M	30 / 50		B	180L
16			✓	117	2	1	2	4M	40 / 40		B	180L
17			✓	116	2	1	2	4M	30 / 50		A	180L
18			✓	115	2	1	2	4M	30 / 40		A	180L
19			✓	114	2	1	2	4M	30 / 50		B	180L
20			✓	113	2	1	2	4M	30 / 50		B	180L

GRO-9458-FRM-Polyurethane (PUR) and Urea Silicate Resin (USR) Application Report	Original Issue Date: 02/07/2017	Version:	4	Printed: 4/05/2020 Page 3 of 7
		Date of Issue:	05/03/2020	

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GROSVENOR COAL MINE  
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A - STRATA PRESSURE, GOOD SPREAD & LEAKS	B - STRATA PRESSURE & LEAKS	TOTAL LITRES
C - STRATA PRESSURE & NO LEAKS	D - PRE-GROUTED HOLE	
E - NO STRATA PRESSURE & LEAKS	F - NO STRATA PRESSURE & NO LEAKS	

LOG OF HOLES

HOLE #	FLOOR	ROOF	RIB	CHAINAGE CHOCK #	FEED PIPE	PACKER	GRP	HOLE DEPTH (M)	Nozzle PRESS URE Start / finish	PODS USED	Comments	EST. LITRES PER HOLE
21			✓	112	2	1	2	4M	30 / 50		C	180L
22			✓	111	2	1	2	4M	30 / 50		C	180L
23			✓	110	2	1	2	4M	30 / 40		B	180L
24			✓	109	2	1	2	4M	30 /		B	180L
25			✓	108	2	1	2	4M	30 / 40		C	180L
26			✓	107	2	1	2	4M	30 / 45		A	180L
27			✓	106	2	1	2	4M	20 /		C	180L
28			✓	105	2	1	2	4M	30 / 50		B	180L
29			✓	104	3	1	2	4M	20 / 50		D	60L
30			✓	103	3	1	2	4M	20 / 40		E	180L
31			✓	102	3	1	2	4M	20 / 40		C	180L
32			✓	101	3	1	2	4M	20 / 40		B	180L
33			✓	100	3	1	2	4M	10 / 50		A	180L
34			✓	99	3	1	2	4M	50 / 50		D	20L
35			✓	98	3	1	2	4M	20 / 40		AB	180L

GRO-9458-FRM-Polyurethane (PUR) and Urea Silicate Resin (USR) Application Report	Original Issue Date:	Version:	4	Printed: 4/05/2020 Page 4 of 7
	02/07/2017	Date of Issue:	05/03/2020	

PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED AND DEEMED VALID ONLY ON THE DAY OF PRINTING





RODUCT USAGE SHEET			
<b>Product Injected: (Please circle)</b>	PUR Standard	PUR Water Finder	Urea Silicate Resin
<b>Product Amount Used</b>	Litres 5664	KG's	
Total No. Empty Drums "PUR A"	3 IBC		
Total No. Empty Drums "PUR B"	3 IBC		
Total No. Empty Drums "USR A"			
Total No. Empty Drums "USR B"			

Consumables Used	
MATERIAL	QUANTITY
PLASTIC FEED PIPES 2M	77
PACKER SK40 W/MIXER	35
ADAPTOR WING ANCHOR	35
R32 self-drilling dowel	7474
R32 self-drilling coupling	35
R32 self-drilling DRILL BITS	35
POLY PIPES & FITTINGS	
APPLICATION INJECTION NOZZLE	1
DAMAGED 3/8" 30m HOSE	
DAMAGED 3/4" 15m HOSE	
MATERIAL	QUANTITY
DP40 APPLICATION PUMP	1

<b>Airflow reading in m/sec:</b>		<b>Respirator used</b>	Y
<b>Pump serial No.</b>	40035	<b>Injection complete</b>	Y
<b>Total Number of bolters used</b>	LFD/MBS	<b>Mine Final inspection by:</b>	<b>Signature:</b>
	Rib Bolter		
	Roof Bolter		
	Air Track		

GRO-9458-FRM-Polyurethane (PUR) and Urea Silicate Resin (USR) Application Report	<b>Original Issue Date:</b> 02/07/2017	<b>Version:</b> 4	Printed: 4/05/2020 Page 6 of 7
		<b>Date of Issue:</b> 05/03/2020	



