

REPORT -FIELD, OPERATIONS INTERNAL CORROSION MITIGATION GUIDELINES

ALL PIPELINES VULNERABLE TO INTERNAL CORROSION (Operating / Steel / Uncoated / Production Fluids)

Sunalta Oil & Gas Ltd.

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Serious	5-5	18419-1	08-08-103-08W6	WE	08-09-103-08W6	CHARM	30		30	120	180			90	30	40	20	90	
Serious	5-5	6435-1	06-12-100-12W6	CS	13-01-101-13W6	PEDIGREE	30		30	480	720		20			80	50	60	
Serious	5-5	12202-6	07-24-099-07W6	WE	10-27-098-06W6	GUTAH	30		30	480	720		20			160	50	60	
Serious	5-5	13454-1	10-27-098-06W6	WE	10-26-098-06W6	BOTHA	30		30	120	180			60	60	80	20	90	
Serious	5-5	25897-3	10-03-097-08W6	WE	10-04-097-08W6	CHINCHAGA	30		30	120	180			90	30	40	20	90	
Serious	5-5	8066-21	06-11-097-24W4	WE	06-10-097-24W4	HARPER	30		30	120	180			60	90	160	20	90	
Serious	5-5	6796-3	08-17-097-24W4	WE	02-16-097-24W4	HARPER	30		30	120	180			60	60	80	20	90	
Serious	5-5	8590-32	12-24-096-03W6	WE	02-19-096-03W6	HOTCHKISS	30		30	240	360		20			160	40	60	
Serious	5-5	23757-7	04-19-096-10W6	WE	11-14-097-11W6	HAMBURG	30		30	480	720		20			320	50	60	
Serious	5-5	7090-27	07-10-095-02W6	PL	05-11-095-02W6	HOTCHKISS	60		60	60	90			90	30	40	15	90	
Serious	5-5	16338-5	10-19-094-12W6	B	13-23-094-13W6	MEARON	30		30	240	360		20	90	30	40	20	90	
Serious	5-5	6633-39	01-16-092-21W4	CS	03-29-092-20W4	LIEGE	30		30	240	360		20			80	40	60	
Serious	5-5	11670-1	03-36-085-13W6	WE	01-14-085-13W6	BOUNDARY LAKE SOUTH	30		30	240	360		20			80	40	60	
Serious	5-5	18539-14	10-12-084-10W4	WE	10-12-084-10W4	HANGINGSTONE	30		30	120	180			60	60	80	20	90	
Serious	5-5	4516-3	10-12-084-10W4	WE	10-11-084-10W4	HANGINGSTONE	30		30	120	180			60	90	160	20	90	
Serious	5-5	13148-27	02-05-084-15W4	PL	13-04-084-15W4	HOUSE	30		30	120	180			90	30	40	20	90	
Serious	5-5	4495-6	10-08-083-09W6	CS	07-17-083-08W6	JOSEPHINE	30		30	480	720		20			80	50	60	
Serious	5-5	16534-12	06-34-083-11W6	WE	13-31-083-11W6	BONANZA	30		30	240	360		20			80	40	60	
Serious	5-5	6933-26	10-32-083-15W4	PL	02-05-084-15W4	HOUSE	60		60	60	90			90	30	60	15	90	
Serious	5-5	24513-17	10-20-083-18W4	WE	09-23-083-19W4	GRANOR	30		30	240	360		20	60	90	160	20	90	
Serious	5-5	18766-7	07-21-082-08W4	PL	15-17-082-08W4	HANGINGSTONE	30		30	120	180			90	30	40	20	90	
Serious	5-5	16802-3	11-11-081-22W4	B	11-10-081-22W4	BRINTNELL	30		30	120	180			60	90	160	20	90	
Serious	5-5	12982-1	13-01-081-23W4	CS	09-02-081-23W4	BRINTNELL	30		30	120	180			60	60	80	20	90	
Serious	5-5	45730-78	10-30-080-03W6	B	08-36-080-04W6	DUNVEGAN	30		30	120	180			90	30	40	20	90	
Serious	5-5	32745-108	04-23-080-03W6	S	16-20-080-03W6	WAPITI	30		30	240	360		20	90	30	40	20	90	
Serious	5-5	26544-143	08-10-080-03W6	S	04-23-080-03W6	DUNVEGAN	30		30	240	360			90	30	40	20	90	
Serious	5-5	11763-14	02-03-080-08W5	PL	12-02-080-08W5	NIPISI	30		30	120	180			90	30	40	20	90	
Serious	5-5	2138-23	04-22-080-08W5	S	12-15-080-08W5	NIPISI	30		30	120	180			90	30	40	20	90	
Serious	5-5	7842-24	12-15-080-08W5	PL	12-15-080-08W5	NIPISI	60		60	90	135			90	30	20	10	90	
Serious	5-5	22132-9	04-19-080-20W4	WE	09-13-080-21W4	BARNEY	60		60	60	90			90	60	80	15	90	
Serious	5-5	12582-2	05-01-080-23W5	WE	03-36-079-23W5	TANGENT	30		30	240	360		20			80	40	60	
Serious	5-5	5524-4	04-14-080-23W5	WE	06-11-080-23W5	TANGENT	30		30	120	180			90	30	40	20	90	
Serious	5-5	14583-17	05-17-079-05W4	WE	07-18-079-05W4	CHARD	60		60	60	90			90	30	60	15	90	
Serious	5-5	4062-4	10-21-079-06W4	WE	11-28-079-06W4	CHARD	30		30	120	180			60	90	160	20	90	
Serious	5-5	17153-5	07-32-079-06W4	WE	11-28-079-06W4	CHARD	30		30	120	180			60	60	80	20	90	
Serious	5-5	12070-11	11-02-079-07W4	PL	11-03-079-07W4	LEISMER	30		30	120	180			90	30	40	20	90	
Serious	5-5	18246-12	11-03-079-07W4	PL	09-07-079-07W4	LEISMER	30		30	240	360		20	90	30	40	20	90	
Serious	5-5	27583-1	04-07-079-11W6	WE	11-19-079-11W6	POUCE COUPE SOUTH	30		30	240	360		20	60	60	160	20	90	
Serious	5-5	15734-47	16-10-079-12W6	B	08-29-078-11W6	POUCE COUPE SOUTH	30		30	480	720		20			80	50	60	
Serious	5-5	26360-1	11-36-079-12W6	WE	07-31-079-11W6	POUCE COUPE	30		30	120	180			90	30	40	20	90	
Serious	5-5	20172-4	02-14-079-13W6	WE	11-19-079-11W6	POUCE COUPE	30		30	480	720					80	50	60	
Serious	5-5	6612-5	04-20-078-01W6	WE	13-16-078-01W6	BELLOY	30		30	120	180		20	90	30	40	20	90	
Serious	5-5	10996-4	10-35-078-02W6	MS	15-25-078-02W6	BELLOY	30		30	120	180			90	30	40	20	90	
Serious	5-5	7026-3	03-23-078-10W6	WE	07-22-078-09W6	PROGRESS	30		30	240	360		20			80	40	60	
Serious	5-5	49571-1	08-04-078-11W6	WE	14-34-077-11W6	POUCE COUPE SOUTH	30		30	120	180			90	30	40	20	90	
Serious	5-5	41789-3	13-12-078-11W6	WE	13-07-078-10W6	POUCE COUPE SOUTH	30		30	120	180			90	30	40	20	90	
Serious	5-5	18414-11	06-03-078-12W6	WE	03-02-078-12W6	POUCE COUPE SOUTH	30		30	120	180			60	60	80	20	90	
Serious	5-5	32710-39	15-03-078-25W5	PL	07-23-078-25W5	BELLOY	30		30	240	360		20			160	40	60	
Serious	5-5	17428-14	10-32-077-02W5	S	06-07-078-01W5	DOUCETTE	30		30	240	360		20			160	40	60	
Serious	5-5	14100-24	06-26-077-09W6	WE	10-27-077-09W6	PROGRESS	30		30	120	180			90	30	40	20	90	
Serious	5-5	4087-25	10-27-077-09W6	WE	07-33-077-09W6	PROGRESS	30		30	120	180			60	60	160	20	90	
Serious	5-5	19617-26	07-33-077-09W6	WE	05-32-077-09W6	PROGRESS	30		30	120	180			90	30	40	20	90	
Serious	5-5	18391-45	02-25-077-09W6	WE	12-24-077-09W6	PROGRESS	30		30	120	180			90	30	40	20	90	
Serious	5-5	23676-2	14-06-077-10W6	WE	16-19-077-10W6	POUCE COUPE SOUTH	30		30	240	360		20			160	40	60	
Serious	5-5	21242-8	14-23-077-11W6	PL	16-19-077-10W6	POUCE COUPE SOUTH	30		30	240	360		20	60	60	160	20	90	
Serious	5-5	13329-59	07-17-077-12W4	WE	15-18-077-12W4	DUNCAN	30		30	120	180			60	90	160	20	90	
Serious	5-5	9379-60	15-18-077-12W4	WE	11-19-077-12W4	DUNCAN	30		30	120	180			60	90	160	20	90	
Serious	5-5	9873-68	16-08-077-12W4	WE	07-17-077-12W4	DUNCAN	30		30	120	180			60	60	80	20	90	
Serious	5-5	17400-116	16-16-077-13W4	WE	16-09-077-13W4	DUNCAN	30		30	120	180			90	30	40	20	90	
Serious	5-5	17161-133	03-10-077-13W4	WE	09-03-077-13W4	DUNCAN	60		60	60	90			90	30	40	15	90	
Serious	5-5	5005-136	16-09-077-13W4	WE	06-10-077-13W4	DUNCAN	30		30	120	180			60	60	80	20	90	
Serious	5-5	11398-3	06-11-077-24W4	WE	16-30-076-24W4	PELICAN	30		30	240	360		20			80	40	60	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Serious	5-5	7585-3	04-18-077-25W5	PL	05-18-077-25W5	EAGLESHAM	60		60	90				90	30	40	15	90
Serious	5-5	20065-14	16-09-077-25W5	WE	02-14-077-25W5	EAGLESHAM	30		240	360		20		90	30	40	20	90
Serious	5-5	5219-38	14-34-077-25W5	PL	15-03-078-25W5	EAGLESHAM	30		30	120	180			60	60	80	20	90
Serious	5-5	37534-35	11-10-076-02W5	WE	12-11-076-02W5	MARTEN HILLS	30		30	120	180			90	30	40	20	90
Serious	5-5	23260-29	07-34-076-03W5	WE	05-35-076-03W5	MARTEN HILLS	30		30	120	180			90	60	80	20	90
Serious	5-5	10462-1	01-09-076-11W6	WE	16-33-076-11W6	POUCE COUPE SOUTH	30		30	240	360		20			160	40	60
Serious	5-5	6658-7	16-33-076-11W6	PL	08-04-077-11W6	POUCE COUPE SOUTH	30		30	120	180			90	30	40	20	90
Serious	5-5	17161-63	05-34-076-16W4	PL	08-19-076-15W4	DUNCAN	30		30	240	360		20			160	40	60
Serious	5-5	20096-24	10-01-076-24W4	WE	07-12-076-24W4	MARTEN HILLS	30		30	120	180			90	30	40	20	90
Serious	5-5	6351-25	06-20-076-25W4	WE	11-17-076-25W4	MARTEN HILLS	30		30	120	180			60	60	80	20	90
Serious	5-5	3766-79	10-17-076-25W4	WE	11-18-076-25W4	MARTEN HILLS	30		30	120	180			90	30	40	20	90
Serious	5-5	29714-1	06-14-076-25W4	PL	11-16-076-25W4	MARTEN HILLS	30		30	240	360			90	30	40	20	90
Serious	5-5	960-6	10-15-076-26W4	WE	09-15-076-26W4	MARTEN HILLS	60		60	90	135			90	30	40	15	90
Serious	5-5	4653-9	10-23-076-26W4	WE	10-14-076-26W4	MARTEN HILLS	30		30	120	180			90	30	40	20	90
Serious	5-5	2141-11	10-14-076-26W4	WE	11-13-076-26W4	MARTEN HILLS	30		30	120	180			90	30	40	20	90
Serious	5-5	14443-12	06-32-075-01W5	WE	14-29-075-01W5	MARTEN HILLS	60		60	90	90			90	30	40	15	90
Serious	5-5	50750-13	10-23-075-02W5	PL	05-24-075-02W5	MARTEN HILLS	60		60	60	90			90	30	40	15	90
Serious	5-5	12158-17	16-35-075-02W5	PL	08-35-075-02W5	MARTEN HILLS	60		60	60	90			90	30	40	15	90
Serious	5-5	12204-22	08-19-075-11W4	WE	09-30-075-11W4	CLYDEN	30		30	120	180			60	90	160	20	90
Serious	5-5	15171-5	07-11-075-11W6	PL	09-10-074-11W6	VALHALLA	30		30	480	720		20			320	50	60
Serious	5-5	4316-12	05-12-075-14W4	WE	06-27-074-14W4	ARMITAGE	30		30	240	360		20			80	40	60
Serious	5-5	4283-134	04-05-075-23W4	PL	05-06-075-23W4	MARTEN HILLS	30		30	120	180					40	20	90
Serious	5-5	3249-39	06-11-075-24W4	WE	10-09-075-24W4	MARTEN HILLS	30		30	240	360			60	60	160	20	90
Serious	5-5	1624-63	07-01-075-24W4	WE	07-02-075-24W4	MARTEN HILLS	30		30	120	180			90	30	40	20	90
Serious	5-5	7312-74	12-15-075-24W4	WE	10-09-075-24W4	MARTEN HILLS	30		30	120	180			60	90	160	20	90
Serious	5-5	5834-78	12-12-075-24W4	WE	11-11-075-24W4	MARTEN HILLS	60		60	60	90			90	30	60	15	90
Serious	5-5	4505-57	02-17-075-25W4	PL	06-16-075-25W4	MARTEN HILLS	30		30	120	180			90	30	40	20	90
Serious	5-5	4800-60	06-21-075-25W4	WE	11-22-075-25W4	MARTEN HILLS	30		30	120	180			60	60	80	20	90
Serious	5-5	9358-1	11-32-075-25W4	WE	09-31-075-25W4	MARTEN HILLS	30		30	120	180			90	30	40	20	90
Serious	5-5	5465-66	11-21-075-26W4	WE	10-15-076-26W4	MARTEN HILLS	30		30	240	360		20			80	40	60
Serious	5-5	18809-3	11-04-074-05W6	PL	07-02-074-04W6	WEBSTER	30		30	480	720		20			80	50	60
Serious	5-5	13394-4	11-04-074-05W6	PL	07-02-074-04W6	WEBSTER	30		30	480	720		20			160	50	60
Serious	5-5	6467-4	05-34-074-08W6	WE	04-35-074-08W6	VALHALLA	30		30	120	180			60	60	80	20	90
Serious	5-5	11716-5	04-17-074-08W6	PL	04-08-074-08W6	LA GLACE	30		30	120	180			90	30	40	20	90
Serious	5-5	22734-5	11-28-074-14W4	WE	07-32-074-14W4	ARMITAGE	30		30	120	180			60	90	160	20	90
Serious	5-5	15540-6	07-32-074-14W4	WE	09-31-074-14W4	ARMITAGE	30		30	120	180			60	60	80	20	90
Serious	5-5	9290-32	07-11-074-15W4	PL	08-14-074-15W4	DUNCAN	30		30	120	180			90	60	80	20	90
Serious	5-5	3453-28	08-23-074-15W4	PL	04-28-074-16W4	DUNCAN	30		30	480	720		20			80	50	60
Serious	5-5	7708-9	14-15-073-05W6	WE	16-33-073-05W6	CLAIR	30		30	240	360		20			40	20	90
Serious	5-5	15534-6	10-05-073-05W6	PL	08-33-072-05W6	CLAIR	30		30	240	360			90	30	40	20	90
Serious	5-5	16240-1	08-19-073-08W6	B	15-30-073-08W6	WEMBLEY	30		30	120	180			90	30	40	20	90
Serious	5-5	18105-6	05-28-073-09W6	CS	04-33-073-09W6	WEMBLEY	30		30	120	180			90	30	40	20	90
Serious	5-5	31636-3	11-18-073-10W6	WE	15-21-073-10W6	WEMBLEY	30		30	240	360		20		60	160	20	90
Serious	5-5	3102-10	16-01-073-11W6	WE	06-07-073-10W6	WEMBLEY	30		30	120	180			90	30	40	20	90
Serious	5-5	9307-12	06-35-073-11W6	PL	09-10-074-11W6	WEMBLEY	30		30	240	360		20			40	20	90
Serious	5-5	4757-41	16-12-073-11W6	WE	06-07-073-10W6	WEMBLEY	30		30	120	180			90	30	40	20	90
Serious	5-5	7413-10	04-13-073-11W6	WE	16-12-073-11W6	WEMBLEY	30		30	120	180			90	30	40	20	90
Serious	5-5	11682-20	08-02-073-11W6	WE	01-02-073-11W6	WEMBLEY	60		60	60	90			90	30	40	15	90
Serious	5-5	12539-1	07-15-073-22W4	WE	04-34-072-23W4	FRANCIS	30		30	480	720		20			320	50	60
Serious	5-5	7762-2	15-35-073-22W4	WE	07-15-073-22W4	FRANCIS	30		30	240	360		20			320	40	60
Serious	5-5	18821-20	07-19-072-10W6	WE	06-30-072-10W6	WEMBLEY	30		30	120	180			90	30	40	20	90
Serious	5-5	6817-15	10-31-072-14W4	PL	09-30-072-14W4	NIXON	30		30	120	180			90	30	40	20	90
Serious	5-5	22277-1	04-34-072-23W4	WE	07-28-072-23W4	TOMATO	30		30	120	180			60	60	80	20	90
Serious	5-5	7519-36	08-19-071-09W4	WE	04-35-071-10W4	IPIATIK	30		30	240	360		20			80	40	60
Serious	5-5	10620-13	06-28-071-11W6	WE	04-13-072-11W6	ELMWORTH	30		30	480	720		20			160	50	60
Serious	5-5	19988-49	12-16-071-12W4	WE	05-21-071-12W4	TWEEDIE	60		60	60	90			90	60	80	15	90
Serious	5-5	19516-39	10-05-071-26W4	CS	06-05-071-26W4	SMITH	60		60	60	90			90	30	40	15	90
Serious	5-5	12355-41	10-02-070-11W4	WE	14-04-069-12W4	MILLS	30		30	480	720		20			80	50	60
Serious	5-5	8942-8	11-22-070-12W4	WE	03-27-070-12W4	TWEEDIE	60		60	60	90			90	60	80	15	90
Serious	5-5	11074-18	07-21-070-12W4	WE	03-27-070-12W4	TWEEDIE	30		30	120	180			90	30	40	20	90
Serious	5-5	33235-1	11-24-070-13W4	WE	09-14-070-13W4	TWEEDIE	30		30	120	180			90	30	40	20	90
Serious	5-5	9447-4	07-35-070-16W4	WE	08-34-070-16W4	CHARRON	30		30	120	180			90	30	40	20	90
Serious	5-5	18812-7	08-08-069-06W6	CS	06-03-069-06W6	ELMWORTH	30		30	240	360			90	30	40	20	90
Serious	5-5	17932-1	04-10-069-09W6	WE	04-08-069-08W6	ELMWORTH	30		30	240	360		20			160	40	60
Serious	5-5	21872-13	11-12-068-03W4	WE	12-09-068-03W4	MOORE	30		30	240	360		20			80	40	60
Serious	5-5	38148-33	03-17-068-04W4	PL	10-05-067-04W4	FISHER	30		30	480	720		20			80	50	60
Serious	5-5	4448-33	11-05-068-05W6	PL	14-33-067-05W6	ELMWORTH	30		30	120	180			90	30	40	20	90

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Serious	5-5	2125-16	10-30-068-13W4	WE	09-30-068-13W4	TWEEDIE	60		60	60	90			90	60	80	15	90	
Serious	5-5	18130-23	16-05-067-04W4	PL	03-32-066-05W4	MOORE	30		30	480	720		20			160	50	60	
Serious	5-5	6672-44	10-32-067-04W6	PL	07-05-068-04W6	ELMWORTH	30		30	120	180			90	30	40	20	90	
Serious	5-5	57500-9	11-22-067-10W5	PL	11-18-067-10W5	SWAN HILLS	30		30	240	360		20			80	40	60	
Serious	5-5	1319-6	06-20-067-26W4	WE	13-36-066-27W4	BIG BEND	30		30	240	360		20			80	40	60	
Serious	5-5	5397-36	11-02-067-26W4	PL	13-36-066-27W4	BIG BEND	30		30	240	360		20			80	40	60	
Serious	5-5	10408-7	06-16-066-02W6	PL	11-10-065-02W6	KARR	30		30	480	720		20			320	50	60	
Serious	5-5	10318-7	01-11-066-04W6	WE	15-36-065-04W6	KARR	30		30	240	360				60	160	20	90	
Serious	5-5	20316-7	15-20-066-05W4	WE	11-08-066-05W4	LEMING	30		30	240	360				60	90	160	20	90
Serious	5-5	23301-1	03-26-066-07W6	WE	03-30-066-06W6	WAPITI	30		30	240	360		20	90	30	80	20	90	
Serious	5-5	26648-4	07-07-065-04W6	PL	10-15-065-04W6	KARR	30		30	240	360		20			160	40	60	
Serious	5-5	8988-53	06-03-064-02W6	PL	11-22-064-02W6	KARR	30		30	240	360		20			160	40	60	
Serious	5-5	4435-17	11-08-064-08W4	WE	13-07-064-08W4	SUGDEN	30		30	120	180			90	30	40	20	90	
Serious	5-5	4548-20	06-20-064-23W5	PL	04-21-064-23W5	WASKAHIGAN	30		30	120	180			90	30	40	20	90	
Serious	5-5	12096-28	07-24-063-10W4	WE	14-24-063-10W4	SUGDEN	30		30	120	180			90	30	40	20	90	
Serious	5-5	2556-5	07-11-063-13W4	WE	15-01-063-13W4	CRAIGEND	30		30	120	180			60	60	80	20	90	
Serious	5-5	21661-19	06-03-063-13W6	PL	12-35-062-13W6	NARRAWAY	30		30	240	360			90	30	40	20	90	
Serious	5-5	21036-41	03-14-063-15W4	WE	16-11-063-15W4	CRAIGEND	60		60	60	90			90	60	80	15	90	
Serious	5-5	4353-59	06-21-028-11W4	WE	03-22-028-11W4	STANMORE	30		30	120	180			90	30	40	20	90	
Serious	5-5	3497-16	06-36-028-11W4	PL	06-35-028-10W4	STANMORE	30		30	240	360		20			160	40	60	
Serious	5-5	13949-136	16-12-026-16W4	WE	08-12-026-16W4	CONNORSVILLE	30		30	120	180			90	60	80	20	90	
Serious	5-5	8281-42	06-06-026-18W4	PL	14-12-026-19W4	SEIU LAKE	30		30	240	360		20	90	30	40	20	90	
Serious	5-5	18035-85	06-03-026-18W4	WE	06-04-026-18W4	SEIU LAKE	30		30	120	180			90	30	40	20	90	
Serious	5-5	3864-20	06-30-026-19W4	PL	06-18-026-19W4	WAYNE-ROSEDALE	30		30	240	360			90	30	40	20	90	
Serious	5-5	0-6	10-18-025-12W4	PL	04-06-025-12W4	CESSFORD	30		30	240	360		20	90	30	40	20	90	
Serious	5-5	1-34	02-27-025-12W4	WE	10-18-025-12W4	CESSFORD	30		30	240	360		20			320	40	60	
Serious	5-5	595-1	11-01-025-12W4	WE	05-07-025-11W4	CESSFORD	30		30	120	180			90	30	40	20	90	
Serious	5-5	6441-31	06-35-025-19W4	PL	08-02-026-19W4	WAYNE-ROSEDALE	30		30	120	180			60	60	80	20	90	
Serious	5-5	31216-3	04-05-023-11W4	WE	02-31-022-11W4	CESSFORD	30		30	120	180			90	30	40	20	90	
Serious	5-5	12368-4	07-06-023-11W4	WE	02-31-022-11W4	CESSFORD	30		30	240	360			90	30	40	20	90	
Serious	5-5	1-22	06-01-023-12W4	WE	12-13-023-12W4	CESSFORD	30		30	240	360		20	60	60	80	20	90	
Serious	5-5	5303-8	06-30-023-13W4	WE	14-10-024-13W4	CESSFORD	30		30	240	360		20			80	40	60	
Serious	5-5	22125-35	13-21-022-08W4	WE	08-20-022-08W4	ATLEE-BUFFALO	30		30	120	180			90	30	40	20	90	
Serious	5-5	6100-35	06-01-022-12W4	WE	06-06-022-11W4	CESSFORD	30		30	120	180			60	90	160	20	90	
Serious	5-5	6426-64	16-10-021-09W4	MS	04-23-020-09W4	JENNER	30		30	240	360		20			80	40	60	
Serious	5-5	7091-109	16-10-021-09W4	MS	14-18-021-09W4	JENNER	30		30	240	360		20			80	40	60	
Serious	5-5	10168-52	08-09-021-10W4	WE	01-16-021-10W4	PRINCESS	60		60	60	90			90	60	80	15	90	
Serious	5-5	1867-435	06-21-021-10W4	WE	16-16-021-10W4	PRINCESS	30		30	120	180			90	30	40	20	90	
Serious	5-5	4575-5	10-23-021-12W4	WE	11-24-021-12W4	PRINCESS	60		60	60	90			90	60	80	15	90	
Serious	5-5	2311-12	07-08-019-09W4	WE	07-05-019-09W4	JENNER	30		30	120	180			90	30	40	20	90	
Serious	5-5	2732-21	07-05-019-09W4	WE	11-32-018-09W4	JENNER	60		60	60	90			90	30	40	15	90	
Serious	5-5	4565-259	08-20-019-10W4	PL	08-21-019-10W4	PRINCESS	30		30	120	180			90	30	40	20	90	
Serious	5-5	7989-294	07-10-019-10W4	WE	06-15-019-10W4	PRINCESS	30		30	120	180			60	90	160	20	90	
Serious	5-5	45050-63	07-35-019-14W4	WE	10-26-019-14W4	BANTRY	60		60	60	90			90	30	40	15	90	
Serious	5-5	14506-8	06-06-019-21W4	WE	06-05-019-21W4	QUEENSTOWN	30		30	120	180			60	90	160	20	90	
Serious	5-5	2901-21	08-01-019-22W4	WE	06-06-019-21W4	QUEENSTOWN	60		60	60	90			90	60	80	15	90	
Serious	5-5	2032-71	07-28-018-13W4	PL	04-32-018-13W4	BANTRY	30		30	240	360			30	30	160	20	90	
Serious	5-5	16352-186	12-30-018-22W4	WE	11-31-018-22W4	QUEENSTOWN	30		30	120	180			90	30	40	20	90	
Serious	5-5	7469-21	11-13-016-22W4	CS	02-12-016-22W4	LONG COULEE	30		30	240	360			90	30	40	20	90	
Serious	5-5	11153-11	16-04-015-27W4	WE	14-04-015-27W4	PARKLAND NORTHEAST	60		60	60	90			90	60	80	15	90	
Serious	5-5	18272-9	07-11-015-27W4	GP	13-01-015-27W4	PARKLAND NORTHEAST	30		30	120	180			60	60	80	20	90	
Serious	5-5	2415-20	11-25-014-12W4	WE	09-28-014-11W4	ALDERSON	30		30	240	360		20			320	40	60	
Serious	5-5	6396-1	04-13-014-27W4	WE	01-23-014-27W4	PEACOCK	30		30	120	180			60	90	160	20	90	
Serious	5-5	23686-1	06-12-014-27W4	WE	16-01-014-27W4	PEACOCK	30		30	120	180			60	60	80	20	90	
Serious	5-5	21712-9	01-24-014-28W4	WE	11-18-014-27W4	PEACOCK	30		30	120	180			60	60	80	20	90	
Serious	5-5	11467-13	06-15-013-01W4	PL	05-14-013-01W4	MEDICINE HAT	60		60	60	90			90	30	40	15	90	
Serious	5-5	9079-43	06-02-013-07W4	WE	06-35-012-07W4	MEDICINE HAT	30		30	120	180			90	30	40	20	90	
Serious	5-5	9662-21	06-11-012-07W4	WE	06-14-012-07W4	MEDICINE HAT	30		30	120	180			60	90	160	20	90	
Serious	5-5	10244-38	06-25-012-07W4	WE	11-24-012-07W4	MEDICINE HAT	30		30	120	180			60	60	80	20	90	
Serious	5-5	11641-51	06-35-012-07W4	WE	06-26-012-07W4	MEDICINE HAT	30		30	120	180			90	30	40	20	90	
Serious	5-5	8032-2	06-36-011-07W4	WE	06-35-011-07W4	MEDICINE HAT	30		30	120	180			60	90	160	20	90	
Serious	5-5	4307-7	06-35-011-07W4	WE	06-02-012-07W4	MEDICINE HAT	30		30	120	180			90	30	40	20	90	
Serious	5-5	17745-288	16-12-011-09W4	WE	08-13-011-09W4	BOW ISLAND	60		60	60	90			90	30	40	15	90	
Serious	5-5	16824-2	12-32-011-26W4	WE	13-31-011-26W4	EASTMONT	30		30	120	180			60	90	160	20	90	
Serious	5-5	7851-3	06-33-011-26W4	WE	12-32-011-26W4	EASTMONT	30		30	120	180			90	30	40	20	90	
Serious	5-5	16015-2	13-28-008-17W4	WE	08-31-009-17W4	TABER SOUTH	30		30	480	720		20			200	50	60	
Serious	5-5	13152-52	14-29-007-14W4	WE	16-31-006-16W4	CHIN COULEE	30		30	480	720		20			80	50	60	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Serious	5-4	16943-82	15-08-080-03W6	WE	16-20-080-03W6	DUNVEGAN	30		30	120	180			60	60	80	20	90	
Serious	5-4	27109-83	13-04-080-03W6	WE	15-08-080-03W6	DUNVEGAN	30		30	90	135			60	60	80	20	90	
Serious	5-4	28239-88	14-15-080-03W6	WE	04-23-080-03W6	DUNVEGAN	30		30	90	135			90	30	40	20	90	
Serious	5-4	33886-89	15-11-080-03W6	WE	04-23-080-03W6	DUNVEGAN	30		30	90	135			90	30	40	20	90	
Serious	5-4	13554-105	16-21-080-03W6	WE	15-21-080-03W6	DUNVEGAN	60		60	30	45			90	30	40	15	90	
Serious	5-4	48006-109	10-09-080-03W6	WE	15-09-080-03W6	DUNVEGAN	60		60	30	45			90	30	60	15	90	
Serious	5-4	41793-111	14-29-080-03W6	B	16-20-080-03W6	DUNVEGAN	30		30	90	135			60	60	80	20	90	
Serious	5-4	44052-116	14-29-080-03W6	WE	04-32-080-03W6	DUNVEGAN	60		60	30	45			90	30	40	15	90	
Serious	5-4	6777-117	08-18-080-03W6	WE	06-17-080-03W6	DUNVEGAN	30		30	90	135			90	30	40	20	90	
Serious	5-4	50830-129	06-19-080-03W6	WE	14-19-080-03W6	DUNVEGAN	60		60	30	45			90	30	40	15	90	
Serious	5-4	31627-141	03-11-080-03W6	WE	08-10-080-03W6	DUNVEGAN	60		60	30	45			90	30	40	15	90	
Serious	5-4	35581-142	03-11-080-03W6	WE	08-10-080-03W6	DUNVEGAN	60		60	30	45			90	30	40	15	90	
Serious	5-4	29933-205	05-15-080-03W6	PL	13-21-080-03W6	DUNVEGAN	30		30	120	180			90	30	80	20	90	
Serious	5-4	16378-206	10-20-080-03W6	WE	16-20-080-03W6	DUNVEGAN	60		60	30	45			90	30	40	15	90	
Serious	5-4	35581-210	10-17-080-03W6	PL	06-17-080-03W6	DUNVEGAN	60		60	30	45			90	30	40	15	90	
Serious	5-4	35926-1	04-30-080-03W6	WE	10-25-080-04W6	DUNVEGAN	30		30	90	135			90	30	40	20	90	
Serious	5-4	20024-4	01-29-080-03W6	WE	16-20-080-03W6	DUNVEGAN	60		60	30	45			90	30	20	10	90	
Serious	5-4	32392-5	11-29-080-03W6	WE	16-20-080-03W6	DUNVEGAN	30		30	90	135			90	60	80	20	90	
Serious	5-4	5868-10	06-22-080-06W4	WE	07-14-080-06W4	CHARD	30		30	240	360			90	30	40	20	90	
Serious	5-4	11736-18	11-19-080-06W4	WE	06-22-080-06W4	CHARD	30		30	240	360		20			80	40	60	
Serious	5-4	16753-13	02-03-080-08W5	PL	02-03-080-08W5	NIPISI	60		60	60	90			90	30	20	10	90	
Serious	5-4	35330-1	10-17-080-20W4	WE	09-13-080-21W4	BARNEY	30		30	120	180			60	120	320	20	90	
Serious	5-4	5777-2	12-17-080-22W4	WE	10-17-080-22W4	TBC	60		60	30	45			60	60	80	15	90	
Serious	5-4	16653-12	12-13-080-23W4	WE	10-13-080-23W4	TBC	60		60	30	45			90	60	80	15	90	
Serious	5-4	9047-55	08-13-080-24W5	PL	09-07-080-23W5	TANGENT	30		30	90	135			60	60	160	20	90	
Serious	5-4	2257-38	07-15-079-06W4	WE	12-03-079-06W4	CHARD	30		30	240	360		18	90	30	40	20	90	
Serious	5-4	17122-33	01-25-079-11W4	WE	12-21-079-11W4	THORNBURY	30		30	240	360		20			320	40	60	
Serious	5-4	15611-42	11-08-079-11W4	WE	10-17-079-11W4	THORNBURY	30		30	90	135			60	60	80	20	90	
Serious	5-4	10555-5	16-08-079-12W6	WE	10-17-079-12W6	POUCE COUPE	30		30	90	135			90	60	80	20	90	
Serious	5-4	3283-10	06-09-079-12W6	WE	10-04-079-12W6	GORDONDALE	30		30	90	135			90	60	80	20	90	
Serious	5-4	21789-3	10-20-079-22W5	WE	11-20-079-22W5	NORMANDVILLE	60		60	30	45			90	30	20	10	90	
Serious	5-4	19334-6	11-09-079-22W5	WE	13-09-079-22W5	NORMANDVILLE	60		60	30	45			90	30	60	15	90	
Serious	5-4	29769-12	13-16-079-22W5	WE	15-17-079-22W5	NORMANDVILLE	60		60	30	45			90	30	60	15	90	
Serious	5-4	10434-27	11-10-079-22W5	WE	13-10-079-22W5	NORMANDVILLE	60		60	30	45			90	60	80	15	90	
Serious	5-4	25054-48	12-20-079-23W5	WE	04-18-079-23W5	CULP	30		30	240	360			90	30	80	20	90	
Serious	5-4	20182-50	06-20-079-23W5	WE	12-20-079-23W5	CULP	60		60	30	45			90	30	60	15	90	
Serious	5-4	6263-2	01-12-079-24W5	WE	16-02-079-24W5	CULP	30		30	120	180			90	30	40	20	90	
Serious	5-4	6959-5	03-03-079-24W5	WE	12-03-079-24W5	CULP	60		60	30	45			90	30	60	15	90	
Serious	5-4	5220-4	07-09-078-01W6	WE	13-16-078-01W6	BELLOY	30		30	240	360			90	30	40	20	90	
Serious	5-4	4176-8	16-18-078-01W6	WE	04-20-078-01W6	BELLOY	60		60	60	90			90	30	60	15	90	
Serious	5-4	11622-1	06-22-078-01W6	WE	13-16-078-01W6	BELLOY	30		30	120	180			60	60	160	20	90	
Serious	5-4	14610-2	10-01-078-10W6	WE	06-01-078-10W6	PROGRESS	60		60	30	45			60	60	80	15	90	
Serious	5-4	19384-1	07-15-078-10W6	WE	14-14-078-10W6	PROGRESS	30		30	90	135			60	60	80	20	90	
Serious	5-4	22438-1	13-18-078-10W6	WE	08-13-078-11W6	POUCE COUPE SOUTH	30		30	90	135			60	60	160	20	90	
Serious	5-4	9695-5	15-18-078-10W6	WE	13-18-078-10W6	POUCE COUPE SOUTH	60		60	30	45			90	60	80	15	90	
Serious	5-4	5688-3	11-10-078-10W6	PL	12-01-078-10W6	PROGRESS	30		30	240	360			60	60	160	20	90	
Serious	5-4	9376-29	12-18-078-10W6	WE	08-13-078-11W6	POUCE COUPE SOUTH	60		60	60	90			90	30	40	15	90	
Serious	5-4	9808-8	07-16-078-11W6	PL	06-14-078-11W6	POUCE COUPE SOUTH	30		30	120	180			90	30	40	20	90	
Serious	5-4	18391-11	13-11-078-11W6	PL	04-12-078-11W6	POUCE COUPE SOUTH	30		30	90	135			60	60	80	20	90	
Serious	5-4	2860-12	06-14-078-11W6	PL	13-11-078-11W6	POUCE COUPE SOUTH	30		30	90	135			90	60	80	20	90	
Serious	5-4	7560-36	08-10-078-11W6	WE	10-10-078-11W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90	
Serious	5-4	8378-37	10-10-078-11W6	B	13-11-078-11W6	POUCE COUPE SOUTH	30		30	90	135			60	60	80	20	90	
Serious	5-4	4291-41	15-32-078-11W6	PL	08-29-078-11W6	POUCE COUPE SOUTH	30		30	240	360			90	30	40	20	90	
Serious	5-4	3065-44	04-12-078-11W6	PL	11-01-078-11W6	POUCE COUPE SOUTH	60		60	30	45			90	30	40	15	90	
Serious	5-4	19408-8	07-15-078-11W6	WE	06-14-078-11W6	POUCE COUPE SOUTH	30		30	90	135			60	60	80	20	90	
Serious	5-4	4143-27	01-23-078-11W6	PL	16-23-078-11W6	POUCE COUPE SOUTH	30		30	90	135			90	60	80	20	90	
Serious	5-4	8722-30	16-23-078-11W6	WE	09-24-078-11W6	POUCE COUPE SOUTH	30		30	90	135			90	30	40	20	90	
Serious	5-4	20199-1	14-34-078-11W6	WE	05-34-078-11W6	POUCE COUPE SOUTH	60		60	30	45			90	60	80	15	90	
Serious	5-4	19839-2	15-32-078-11W6	CS	14-34-078-11W6	POUCE COUPE SOUTH	30		30	120	180			60	90	160	20	90	
Serious	5-4	28878-6	08-12-078-11W6	WE	06-07-078-10W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90	
Serious	5-4	15752-15	03-12-078-11W6	WE	08-12-078-11W6	POUCE COUPE SOUTH	60		60	30	45			90	60	80	15	90	
Serious	5-4	31327-2	06-30-078-11W6	WE	06-29-078-11W6	POUCE COUPE SOUTH	30		30	90	135			60	90	160	20	90	
Serious	5-4	27459-3	06-29-078-11W6	WE	16-29-078-11W6	POUCE COUPE SOUTH	30		30	90	135			90	60	80	20	90	
Serious	5-4	18552-1	05-25-078-11W6	WE	09-24-078-11W6	POUCE COUPE SOUTH	30		30	90	135			90	30	80	20	90	
Serious	5-4	13641-3	11-26-078-11W6	WE	05-25-078-11W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90	
Serious	5-4	8681-45	04-02-078-12W6	PL	03-02-078-12W6	POUCE COUPE SOUTH	60		60	60	90			90	30	20	10	90	
Serious	5-4	15057-29	05-17-078-13W4	WE	02-25-078-14W4	THORNBURY	30		30	240	360		20	60	90	160	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Serious	5-4	19834-18	06-19-078-24W5	PL	08-23-078-25W5	CULP	30		30	120	180			90	30	80	20	90
Serious	5-4	4813-4	06-17-077-08W6	WE	07-18-077-08W6	PROGRESS	30		90	90	135			60	60	160	20	90
Serious	5-4	6130-1	12-24-077-09W6	WE	06-26-077-09W6	PROGRESS	30		30	90	135			60	60	160	20	90
Serious	5-4	4904-2	06-26-077-09W6	WE	10-27-077-09W6	PROGRESS	30		30	90	135			90	30	40	20	90
Serious	5-4	8991-3	06-35-077-09W6	WE	10-27-077-09W6	PROGRESS	30		30	90	135			60	60	80	20	90
Serious	5-4	7560-4	07-33-077-09W6	PL	10-27-077-09W6	PROGRESS	30		30	120	180			90	30	40	20	90
Serious	5-4	9604-22	06-22-077-09W6	WE	10-27-077-09W6	PROGRESS	30		30	90	135			60	60	80	20	90
Serious	5-4	13691-23	12-24-077-09W6	WE	06-26-077-09W6	PROGRESS	30		30	120	180			90	30	80	20	90
Serious	5-4	24635-2	06-17-077-09W6	WE	14-17-077-09W6	PROGRESS	60		60	30	45			30	30	80	15	90
Serious	5-4	19467-29	05-20-077-10W5	WE	06-20-077-10W6	RANDELL	60		60	30	45			90	30	20	10	90
Serious	5-4	13942-14	06-20-077-10W6	WE	08-19-077-10W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90
Serious	5-4	20256-33	06-05-077-10W6	WE	01-05-077-10W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90
Serious	5-4	24465-36	01-07-077-10W6	PL	02-07-077-10W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90
Serious	5-4	8611-1	16-23-077-10W6	WE	07-23-077-10W6	PROGRESS	60		60	30	45			30	30	120	15	90
Serious	5-4	19136-2	04-27-077-10W6	WE	06-26-077-10W6	POUCE COUPE SOUTH	30		30	120	180			30	60	320	20	90
Serious	5-4	41868-11	04-03-077-10W6	WE	06-03-077-10W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90
Serious	5-4	17628-15	03-04-077-10W6	WE	04-04-077-10W6	POUCE COUPE SOUTH	60		60	30	45			90	30	20	10	90
Serious	5-4	25527-7	04-02-077-10W6	WE	04-02-077-10W6	POUCE COUPE SOUTH	60		60	30	45			90	30	20	10	90
Serious	5-4	19608-1	07-23-077-10W6	WE	14-17-077-09W6	PROGRESS	30		30	120	180			30	30	160	20	90
Serious	5-4	46757-3	13-22-077-10W6	WE	04-27-077-10W6	POUCE COUPE SOUTH	60		60	30	45			30	30	80	15	90
Serious	5-4	22097-4	14-09-077-11W6	WE	06-15-077-11W6	POUCE COUPE SOUTH	30		30	90	135			60	60	160	20	90
Serious	5-4	21308-9	06-12-077-11W6	WE	14-06-077-10W6	POUCE COUPE SOUTH	30		30	90	135			60	120	320	20	90
Serious	5-4	19467-20	03-09-077-11W6	WE	14-09-077-11W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90
Serious	5-4	17099-23	04-12-077-11W6	WE	06-12-077-11W6	POUCE COUPE SOUTH	60		60	30	45			90	60	80	15	90
Serious	5-4	3487-3	08-04-077-11W6	PL	06-15-077-11W6	POUCE COUPE SOUTH	60		60	240	360			90	30	40	20	90
Serious	5-4	15852-4	06-15-077-11W6	PL	09-22-077-11W6	POUCE COUPE SOUTH	30		30	240	360			90	30	40	20	90
Serious	5-4	12364-16	16-09-077-11W6	WE	06-15-077-11W6	POUCE COUPE SOUTH	30		30	90	135			60	90	160	20	90
Serious	5-4	20291-21	08-04-077-11W6	PL	06-15-077-11W6	POUCE COUPE SOUTH	30		30	240	360	18		90	30	40	20	90
Serious	5-4	29485-22	10-05-077-11W6	WE	08-04-077-11W6	POUCE COUPE SOUTH	30		30	90	135			90	60	80	20	90
Serious	5-4	25364-23	08-07-077-11W6	WE	10-05-077-11W6	POUCE COUPE SOUTH	30		30	90	135			90	30	80	20	90
Serious	5-4	18705-25	04-18-077-11W6	WE	13-07-077-11W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90
Serious	5-4	28244-1	07-35-077-11W6	PL	06-35-077-11W6	POUCE COUPE SOUTH	60		60	60	90			90	30	20	10	90
Serious	5-4	27942-1	05-13-077-11W6	WE	04-13-077-11W6	POUCE COUPE SOUTH	60		60	30	45			90	60	80	15	90
Serious	5-4	7035-2	10-23-077-11W6	WE	12-23-077-11W6	POUCE COUPE SOUTH	60		60	30	45			90	60	80	15	90
Serious	5-4	13033-3	12-34-077-11W6	WE	14-34-077-11W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90
Serious	5-4	42494-1	01-16-077-11W6	WE	06-15-077-11W6	POUCE COUPE SOUTH	30		30	90	135			90	60	80	20	90
Serious	5-4	12931-2	14-34-077-11W6	WE	07-35-077-11W6	POUCE COUPE SOUTH	30		30	120	180			90	30	40	20	90
Serious	5-4	16703-3	12-36-077-11W6	WE	07-35-077-11W6	POUCE COUPE SOUTH	30		30	90	135			90	60	80	20	90
Serious	5-4	16703-5	02-25-077-11W6	WE	16-19-077-10W6	POUCE COUPE SOUTH	30		30	120	180			90	30	40	20	90
Serious	5-4	27122-49	01-09-077-12W4	WE	08-06-077-12W4	DUNCAN	30		30	240	360	20			320	40	60	
Serious	5-4	18071-24	15-12-077-12W6	WE	08-07-077-11W6	POUCE COUPE SOUTH	30		30	90	135			90	30	40	20	90
Serious	5-4	7830-10	11-07-077-25W5	WE	14-07-077-25W5	EAGLESHAM	60		60	30	45			90	30	20	10	90
Serious	5-4	24470-16	16-09-077-25W5	WE	16-09-077-25W5	EAGLESHAM	60		60	30	45			90	30	20	10	90
Serious	5-4	10875-66	10-24-077-26W4	CS	14-06-077-25W4	MARTEN HILLS	30		30	240	360	20		90	30	40	20	90
Serious	5-4	23727-67	01-17-077-26W4	PL	16-17-077-26W4	MARTEN HILLS	30		30	90	135			90	30	40	20	90
Serious	5-4	11256-7	11-13-077-26W5	WE	01-13-077-26W5	EAGLESHAM	30		30	90	135			90	30	40	20	90
Serious	5-4	17618-11	05-13-077-26W5	GP	11-13-077-26W5	EAGLESHAM	60		60	30	45			90	60	80	15	90
Serious	5-4	7401-24	12-31-076-02W5	WE	05-31-076-02W5	MARTEN HILLS	60		60	60	90			90	30	60	15	90
Serious	5-4	50750-48	14-16-076-02W5	WE	06-21-076-02W5	MARTEN HILLS	60		60	30	45			90	30	40	15	90
Serious	5-4	45992-49	06-22-076-02W5	WE	12-15-076-02W5	MARTEN HILLS	30		30	90	135			90	60	80	20	90
Serious	5-4	38062-25	05-35-076-03W5	WE	05-31-076-02W5	MARTEN HILLS	30		30	240	360			90	30	40	20	90
Serious	5-4	6233-10	08-08-076-07W6	WE	08-05-076-07W6	SADDLE HILLS	30		30	120	180			60	60	160	20	90
Serious	5-4	26043-27	16-31-076-10W6	WE	14-06-077-10W6	POUCE COUPE SOUTH	30		30	120	180			60	60	160	20	90
Serious	5-4	5261-24	14-25-076-11W6	WE	15-36-076-11W6	POUCE COUPE SOUTH	30		30	90	135			60	60	80	20	90
Serious	5-4	3682-25	15-36-076-11W6	PL	14-06-077-10W6	POUCE COUPE SOUTH	30		30	240	360			90	30	40	20	90
Serious	5-4	6839-30	11-13-076-11W6	WE	14-25-076-11W6	RANDELL	30		30	240	360	20			160	40	60	
Serious	5-4	21045-34	13-12-076-11W6	WE	11-13-076-11W6	VALHALLA	30		30	90	135			60	60	160	20	90
Serious	5-4	14994-35	10-24-076-11W6	WE	15-24-076-11W6	POUCE COUPE SOUTH	60		60	30	45			90	30	20	10	90
Serious	5-4	20608-13	06-05-076-11W6	WE	01-09-076-11W6	VALHALLA	30		30	240	360			60	60	160	20	90
Serious	5-4	17437-14	03-10-076-11W6	WE	01-09-076-11W6	POUCE COUPE SOUTH	30		30	90	135			60	60	160	20	90
Serious	5-4	8243-19	03-17-076-11W6	WE	05-09-076-11W6	POUCE COUPE SOUTH	30		30	120	180			60	60	160	20	90
Serious	5-4	5706-20	12-16-076-11W6	WE	03-17-076-11W6	POUCE COUPE SOUTH	30		30	90	135			60	60	160	20	90
Serious	5-4	5389-28	01-02-076-11W6	WE	03-10-076-11W6	POUCE COUPE SOUTH	30		30	240	360	18		90	30	80	20	90
Serious	5-4	29715-1	05-15-076-11W6	WE	01-16-076-11W6	POUCE COUPE SOUTH	60		60	30	45			90	30	60	15	90
Serious	5-4	5908-22	06-07-076-25W4	PL	11-18-076-25W4	MARTEN HILLS	30		30	120	180			60	60	160	20	90
Serious	5-4	6721-26	10-17-076-25W4	WE	11-17-076-25W4	MARTEN HILLS	60		60	60	90			90	30	20	10	90
Serious	5-4	5908-28	07-18-076-25W4	WE	10-18-076-25W4	MARTEN HILLS	60		60	60	90			90	30	20	10	90

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Serious	5-4	1181-4	11-22-076-26W4	WE	11-15-076-26W4	MARTEN HILLS	60		60	60	90			90	30	20	10	90	
Serious	5-4	1181-14	10-13-076-26W4	WE	10-13-076-26W4	MARTEN HILLS	60		60	60	90			90	30	40	10	90	
Serious	5-4	3766-82	05-14-076-26W4	WE	12-14-076-26W4	MARTEN HILLS	60		60	60	90			90	30	40	10	90	
Serious	5-4	6721-86	07-02-076-26W4	WE	05-03-076-26W4	MARTEN HILLS	30		30	90	135			60	90	160	20	90	
Serious	5-4	2658-99	08-28-076-26W4	WE	11-22-076-26W4	MARTEN HILLS	30		30	90	135			60	90	160	20	90	
Serious	5-4	4062-96	08-24-075-01W5	WE	11-21-075-26W4	MARTEN HILLS	30		30	90	135			60	90	160	20	90	
Serious	5-4	21674-2	10-23-075-02W5	WE	10-23-075-02W5	MARTEN HILLS	60		60	60	90			90	30	20	10	90	
Serious	5-4	12022-5	07-14-075-08W6	WE	11-14-075-08W6	LA GLACE	60		60	30	45			90	30	60	15	90	
Serious	5-4	13167-7	14-03-075-08W6	WE	08-09-075-08W6	VALHALLA	30		30	90	135			90	60	160	20	90	
Serious	5-4	26312-6	11-14-075-08W6	WE	12-13-075-08W6	LA GLACE	30		30	90	135			90	30	40	20	90	
Serious	5-4	9763-29	16-07-075-11W4	WE	08-19-075-11W4	CLYDEN	30		30	240	360			60	90	160	20	90	
Serious	5-4	27051-8	11-07-075-14W4	WE	11-05-075-14W4	DUNCAN	30		30	120	180			90	30	40	20	90	
Serious	5-4	4933-126	10-08-075-15W4	WE	05-28-074-15W4	DUNCAN	30		30	240	360		20			320	40	60	
Serious	5-4	26475-9	10-13-075-15W4	WE	11-07-075-14W4	DUNCAN	30		30	120	180			60	90	160	20	90	
Serious	5-4	23172-1	11-01-075-15W4	WE	11-12-075-15W4	DUNCAN	30		30	90	135			60	60	160	20	90	
Serious	5-4	6647-75	10-10-075-24W4	WE	07-10-075-24W4	MARTEN HILLS	60		60	60	90			90	30	40	10	90	
Serious	5-4	6795-94	05-27-075-25W4	WE	02-27-075-25W4	MARTEN HILLS	30		30	90	135			60	60	80	20	90	
Serious	5-4	15178-6	08-23-074-07W6	PL	11-18-074-06W6	LA GLACE	30		30	240	360			90	30	80	20	90	
Serious	5-4	14811-3	12-26-074-08W6	WE	04-35-074-08W6	LA GLACE	30		30	90	135			60	60	160	20	90	
Serious	5-4	18663-3	10-25-074-08W6	WE	12-25-074-08W6	LA GLACE	60		60	30	45			90	30	60	15	90	
Serious	5-4	21905-7	04-17-074-08W6	WE	04-17-074-08W6	LA GLACE	60		60	60	90			90	30	20	10	90	
Serious	5-4	17830-3	06-13-074-09W6	WE	07-18-074-08W6	LA GLACE	30		30	120	180			90	30	40	20	90	
Serious	5-4	36820-1	12-06-074-09W6	WE	11-01-074-10W6	WEMBLEY	30		30	90	135			90	60	80	20	90	
Serious	5-4	16442-25	05-06-074-10W6	WE	15-02-074-11W6	WEMBLEY	30		30	240	360			90	30	40	20	90	
Serious	5-4	23200-8	05-25-074-10W6	WE	12-26-074-10W6	WEMBLEY	30		30	90	135			60	60	80	20	90	
Serious	5-4	28355-12	03-29-074-10W6	WE	09-29-074-10W6	WEMBLEY	30		30	90	135			90	60	80	20	90	
Serious	5-4	17793-4	11-32-074-10W6	WE	08-29-074-10W6	WEMBLEY	30		30	90	135			60	60	80	20	90	
Serious	5-4	6660-4	05-01-074-10W6	PL	11-01-074-10W6	WEMBLEY	30		30	90	135			90	60	80	20	90	
Serious	5-4	46808-1	12-26-074-10W6	WE	04-27-074-10W6	WEMBLEY	30		30	90	135			90	60	80	20	90	
Serious	5-4	27676-6	07-23-074-10W6	WE	12-23-074-10W6	WEMBLEY	30		30	90	135			90	30	40	20	90	
Serious	5-4	48885-8	05-01-074-10W6	PL	04-01-074-10W6	WEMBLEY	60		60	60	90			90	30	20	10	90	
Serious	5-4	25033-9	02-22-074-11W6	WE	15-22-074-11W6	WEMBLEY	30		30	90	135			60	60	160	20	90	
Serious	5-4	10646-17	04-26-074-11W6	WE	02-27-074-11W6	WEMBLEY	30		30	90	135			90	60	80	20	90	
Serious	5-4	12372-23	12-27-074-12W6	WE	14-22-074-12W6	SINCLAIR	30		30	90	135			60	60	80	20	90	
Serious	5-4	31016-1	13-09-073-03W6	WE	16-08-073-03W6	TEEPEE	60		60	30	45			90	30	20	10	90	
Serious	5-4	13121-1	14-11-073-04W6	WE	07-22-073-04W6	TEEPEE	30		30	120	180		12	60	60	160	20	90	
Serious	5-4	6762-1	06-13-073-05W6	WE	12-14-073-05W6	CLAIR	30		30	90	135			60	60	160	20	90	
Serious	5-4	22179-4	02-33-073-08W6	PL	06-21-073-08W6	WEMBLEY	30		30	120	180			60	60	160	20	90	
Serious	5-4	22831-3	07-09-073-08W6	WE	15-03-073-08W6	WEMBLEY	30		30	120	180			60	60	160	20	90	
Serious	5-4	34623-1	04-01-073-08W6	WE	11-01-073-08W6	WEMBLEY	30		30	90	135			90	60	80	20	90	
Serious	5-4	41844-1	06-10-073-08W6	PL	15-03-073-08W6	WEMBLEY	30		30	90	135			90	60	80	20	90	
Serious	5-4	13370-27	08-08-073-08W6	S	14-03-073-08W6	WEMBLEY	30		30	120	180			30	30	160	20	90	
Serious	5-4	41714-28	06-04-073-08W6	PL	14-03-073-08W6	WEMBLEY	30		30	120	180			30	30	160	20	90	
Serious	5-4	18100-8	14-31-073-09W6	WE	12-06-074-09W6	WEMBLEY	30		30	90	135			90	60	80	20	90	
Serious	5-4	32869-1	06-18-073-09W6	WE	11-19-073-09W6	WEMBLEY	30		30	90	135			60	60	80	20	90	
Serious	5-4	38503-3	11-19-073-09W6	PL	10-24-073-10W6	WEMBLEY	30		30	90	135			90	60	80	20	90	
Serious	5-4	29838-6	11-18-073-10W6	B	14-19-073-10W6	WEMBLEY	30		30	90	135			60	90	160	20	90	
Serious	5-4	24086-9	13-31-073-10W6	WE	13-19-073-10W6	WEMBLEY	30		30	120	180		18	60	60	160	20	90	
Serious	5-4	20660-5	10-24-073-10W6	PL	02-25-073-10W6	WEMBLEY	60		60	30	45			90	30	60	15	90	
Serious	5-4	12823-3	06-35-073-11W6	WE	09-10-074-11W6	WEMBLEY	30		30	240	360		18	90	30	40	20	90	
Serious	5-4	33277-3	16-01-073-11W6	WE	11-18-073-10W6	WEMBLEY	30		30	240	360		20	60	60	160	20	90	
Serious	5-4	2821-11	06-06-073-14W4	PL	14-31-072-14W4	NIXON	60		60	60	90			90	30	60	15	90	
Serious	5-4	15811-2	04-20-073-24W4	WE	15-01-073-25W4	SMITH	30		30	240	360		20			320	40	60	
Serious	5-4	3133-2	14-21-072-03W6	B	10-23-072-03W6	MANIR	30		30	120	180		20	60	90	160	20	90	
Serious	5-4	19878-3	14-21-072-03W6	B	03-05-073-03W6	MANIR	30		30	120	180		20	60	90	160	20	90	
Serious	5-4	3671-1	10-10-072-04W6	WE	06-16-072-04W6	GRANDE PRAIRIE	30		30	120	180			60	60	160	20	90	
Serious	5-4	15816-2	06-16-072-04W6	WE	08-17-072-04W6	GRANDE PRAIRIE	30		30	90	135			60	60	160	20	90	
Serious	5-4	20900-3	08-17-072-04W6	WE	02-19-072-04W6	GRANDE PRAIRIE	30		30	240	360			60	60	160	20	90	
Serious	5-4	29258-1	07-02-072-04W6	WE	10-10-072-04W6	GRANDE PRAIRIE	30		30	120	180			60	60	160	20	90	
Serious	5-4	8450-19	06-35-072-08W6	PL	11-36-072-08W6	WEMBLEY	30		30	90	135			30	30	80	20	90	
Serious	5-4	38505-23	08-22-072-08W6	WE	14-27-072-08W6	WEMBLEY	30		30	120	180			90	30	160	20	90	
Serious	5-4	4887-14	10-08-072-09W4	PL	09-01-072-10W4	IPIATIK	30		30	240	360			90	30	80	20	90	
Serious	5-4	5827-2	10-23-072-10W4	WE	09-21-072-10W4	IPIATIK	30		30	240	360			90	30	40	20	90	
Serious	5-4	25930-24	06-07-072-11W4	WE	16-06-072-11W4	GROUSE	30		30	90	135			60	60	80	20	90	
Serious	5-4	18055-2	15-36-072-11W6	WE	02-01-073-11W6	WEMBLEY	60		60	60	90			90	30	60	15	90	
Serious	5-4	4692-26	06-18-072-16W4	WE	07-07-072-16W4	NIXON	30		30	240	360			60	60	80	20	90	
Serious	5-4	7005-16	06-36-072-17W4	WE	11-25-072-17W4	NIXON	30		30	90	135			60	60	80	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4			
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION			
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Serious	5-4	8238-1	16-17-059-08W5	WE	02-21-059-08W5	GREENCOURT	30		30	90	135			90	30	40	20	90	
Serious	5-4	19669-1	11-17-059-10W4	WE	10-02-059-11W4	CACHE	30		30	240	360		20			320	40	60	
Serious	5-4	8045-38	07-21-059-11W4	WE	06-03-059-11W4	CACHE	30		30	240	360		20			80	40	60	
Serious	5-4	7529-39	06-03-059-11W4	WE	04-27-058-11W4	CACHE	30		30	240	360		20			80	20	90	
Serious	5-4	5982-40	08-19-059-11W4	WE	10-18-059-11W4	CACHE	30		30	90	135			60	60	80	20	90	
Serious	5-4	10751-6	10-21-059-18W5	PL	03-22-059-18W5	KAYBOB SOUTH	30		30	90	135			90	60	80	20	90	
Serious	5-4	6374-1	06-30-058-03W4	WE	06-22-058-04W4	MOONSHINE	30		30	240	360		20			320	40	60	
Serious	5-4	6462-2	10-17-058-10W4	WE	07-18-058-10W4	CACHE	30		30	90	135			60	60	80	20	90	
Serious	5-4	6884-3	07-18-058-10W4	PL	10-11-058-11W4	CACHE	30		30	240	360		20			160	20	90	
Serious	5-4	8288-13	12-07-058-10W4	WE	15-12-058-11W4	CACHE	30		30	90	135			60	60	80	20	90	
Serious	5-4	17658-8	15-27-058-10W4	WE	11-34-058-10W4	CACHE	30		30	90	135			60	60	160	20	90	
Serious	5-4	9272-6	10-11-058-11W4	PL	09-09-058-11W4	CACHE	30		30	240	360			60	60	80	20	90	
Serious	5-4	2372-9	01-35-058-12W4	WE	03-26-058-12W4	CACHE	30		30	120	180			60	60	160	20	90	
Serious	5-4	3457-89	16-25-058-14W4	WE	07-33-058-13W4	STRY	30		30	240	360		20			80	20	90	
Serious	5-4	17175-1	07-06-058-14W4	WE	14-31-057-14W4	WHITFORD	30		30	90	135			60	60	80	20	90	
Serious	5-4	14757-1	12-24-058-18W5	WE	07-25-058-18W5	KAYBOB SOUTH	30		30	90	135			60	60	160	20	90	
Serious	5-4	25786-11	10-12-057-04W4	PL	07-13-056-04W4	LINDBERGH	30		30	240	360		20			320	40	60	
Serious	5-4	6170-6	10-31-057-09W4	WE	11-35-057-10W4	ST PAUL	30		30	240	360			60	90	160	20	90	
Serious	5-4	4126-25	11-13-057-11W4	WE	10-25-057-11W4	CACHE	30		30	240	360			60	90	160	20	90	
Serious	5-4	30568-18	07-06-057-11W4	PL	04-30-056-11W4	DUVERNAY	30		30	240	360		18		90	30	80	20	90
Serious	5-4	9160-3	10-35-057-15W4	WE	15-36-057-15W4	WHITFORD	30		30	90	135			60	60	160	20	90	
Serious	5-4	10829-6	06-02-057-18W4	WE	05-35-056-18W4	UKALTA	30		30	90	135			60	60	80	20	90	
Serious	5-4	2934-5	06-29-056-10W4	PL	10-10-056-10W4	DUVERNAY	30		30	240	360		20			320	40	60	
Serious	5-4	3272-18	10-10-056-10W4	WE	08-18-056-09W4	DUVERNAY	30		30	240	360		20			80	40	60	
Serious	5-4	1918-30	11-26-056-10W4	PL	08-18-056-09W4	DUVERNAY	30		30	240	360		19			80	40	60	
Serious	5-4	12079-3	07-33-056-10W4	WE	12-24-056-10W4	DUVERNAY	30		30	240	360		20			320	40	60	
Serious	5-4	6120-13	07-27-056-15W4	WE	08-20-056-15W4	WILLINGDON	30		30	240	360			90	30	40	20	90	
Serious	5-4	18451-1	11-04-056-15W4	WE	01-05-056-15W4	WILLINGDON	30		30	90	135			60	60	80	20	90	
Serious	5-4	10606-88	10-08-055-04W4	WE	04-16-055-04W4	LINDBERGH	30		30	90	135			60	60	160	20	90	
Serious	5-4	10423-17	07-24-055-06W4	PL	13-12-055-06W4	LINDBERGH	30		30	240	360			90	30	40	20	90	
Serious	5-4	10972-20	13-12-055-06W4	PL	16-36-054-06W4	LINDBERGH	30		30	240	360			90	30	40	20	90	
Serious	5-4	17921-68	05-13-055-06W4	PL	04-13-055-06W4	LINDBERGH	60		60	60	90			90	30	60	15	90	
Serious	5-4	3425-49	12-01-055-10W4	WE	09-16-054-10W4	DUVERNAY	30		30	240	360		20			320	40	60	
Serious	5-4	16557-35	02-04-054-10W4	WE	04-09-054-10W4	DUVERNAY	30		30	240	360			90	30	40	20	90	
Serious	5-4	22017-1	16-26-054-17W4	WE	01-08-055-16W4	NORRIS	30		30	240	360		20			320	40	60	
Serious	5-4	8594-22	02-30-053-05W4	PL	07-11-054-05W4	LINDBERGH	30		30	240	360		20			80	40	60	
Serious	5-4	31229-145	15-21-053-22W5	PL	11-21-053-22W5	SUNDANCE	60		60	60	90			90	30	40	15	90	
Serious	5-4	16571-2	11-06-052-07W4	PL	06-32-052-07W4	MANNVILLE	30		30	240	360		20			320	40	60	
Serious	5-4	8678-52	05-01-052-20W5	WE	10-02-052-20W5	ANSELL	60		60	60	90			90	30	40	15	90	
Serious	5-4	13766-1	07-10-051-15W5	WE	05-01-051-15W5	WHITEHORSE	30		30	240	360		20			160	20	90	
Serious	5-4	20366-17	05-35-051-20W5	WE	10-02-052-20W5	ANSELL	30		30	240	360			60	60	160	20	90	
Serious	5-4	26651-2	16-16-050-02W4	WE	05-06-051-02W4	LLOYDMINSTER	30		30	240	360		20			320	40	60	
Serious	5-4	14800-9	13-06-049-17W5	WE	09-12-049-18W5	MINEHEAD	30		30	90	135			60	60	160	20	90	
Serious	5-4	20087-2	01-23-048-01W4	WE	08-01-048-01W4	LLOYDMINSTER	30		30	240	360		20			320	40	60	
Serious	5-4	18651-1	15-30-048-09W5	WE	01-31-048-09W5	PEMBINA	60		60	30	45			90	30	40	15	90	
Serious	5-4	15934-17	13-14-046-27W4	WE	01-11-046-27W4	BONNIE GLEN	30		30	240	360			60	90	160	20	90	
Serious	5-4	4992-17	06-02-045-02W5	WE	07-02-045-02W5	PEMBINA	60		60	60	90			90	30	20	10	90	
Serious	5-4	16621-11	02-07-045-17W4	WE	12-06-045-17W4	HOLMBERG	30		30	90	135			90	30	40	20	90	
Serious	5-4	5174-1	10-15-045-18W4	WE	08-15-045-18W4	HOLMBERG	60		60	30	45			90	60	80	15	90	
Serious	5-4	5093-18	04-20-045-21W4	WE	02-01-045-22W4	DUHAMEL	30		30	240	360		20			320	40	60	
Serious	5-4	16204-9	02-16-045-23W4	PL	16-36-044-24W4	WETASKIWIN	30		30	240	360		14			80	40	60	
Serious	5-4	15934-3	03-27-045-27W4	WE	11-34-045-27W4	FERRYBANK	30		30	240	360			60	90	160	20	90	
Serious	5-4	14188-18	01-32-045-27W4	WE	11-34-045-27W4	FERRYBANK	30		30	240	360			60	90	160	20	90	
Serious	5-4	16825-27	11-30-044-01W5	WE	11-25-044-02W5	PEMBINA	30		30	90	135			60	60	80	20	90	
Serious	5-4	16228-3	06-10-044-04W5	PL	01-29-043-04W5	PEMBINA	30		30	240	360		20			160	40	60	
Serious	5-4	6577-7	14-29-044-17W4	PL	05-28-044-17W4	HOLMBERG	30		30	90	135			60	60	80	20	90	
Serious	5-4	3858-15	07-15-044-17W4	WE	13-14-044-17W4	HOLMBERG	30		30	90	135			60	60	160	20	90	
Serious	5-4	6226-29	12-29-044-17W4	PL	11-29-044-17W4	HOLMBERG	60		60	30	45			90	60	80	15	90	
Serious	5-4	964-43	01-22-044-17W4	WE	01-22-044-17W4	HOLMBERG	60		60	30	45			90	30	40	15	90	
Serious	5-4	4121-58	05-31-044-17W4	WE	11-30-044-17W4	HOLMBERG	30		30	90	135			60	60	80	20	90	
Serious	5-4	8243-68	07-23-044-17W4	WE	01-22-044-17W4	HOLMBERG	30		30	90	135			60	60	80	20	90	
Serious	5-4	7133-3	06-16-044-17W4	WE	07-15-044-17W4	HOLMBERG	60		60	90	135			60	90	160	20	90	
Serious	5-4	18769-2	07-17-044-17W4	WE	06-16-044-17W4	HOLMBERG	30		30	30	45			60	60	80	15	90	
Serious	5-4	14281-3	05-20-044-17W4	WE	07-17-044-17W4	HOLMBERG	30		30	90	135			60	90	160	20	90	
Serious	5-4	5612-52	10-25-044-18W4	WE	09-30-044-17W4	HOLMBERG	30		30	90	135			60	90	160	20	90	
Serious	5-4	13719-1	01-34-044-18W4	WE	01-34-044-18W4	HOLMBERG	60		60	30	45			90	30	20	10	90	
Serious	5-4	8003-1	14-22-044-27W4	WE	03-31-044-27W4	FERRYBANK	30		30	240	360		20			320	40	60	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Serious	5-4	18163-2	12-12-044-27W4	WE	16-02-044-27W4	FERRYBANK	30		30	90	135			60	60	160	20	90	
Serious	5-4	41773-1	06-24-044-28W4	PL	02-05-044-01W5	FERRYBANK	30		480	480	720		20			320	50	60	
Serious	5-4	2847-2	01-16-043-02W5	WE	13-10-043-02W5	PEMBINA	30		30	90	135			60	60	80	20	90	
Serious	5-4	5437-27	06-34-043-16W4	WE	08-33-043-16W4	FORESTBURG	60		60	30	45			90	60	80	15	90	
Serious	5-4	11747-1	01-30-043-16W4	WE	16-19-043-16W4	FORESTBURG	60		60	30	45			90	60	80	15	90	
Serious	5-4	18620-1	14-31-043-16W4	WE	01-30-043-16W4	FORESTBURG	30		30	120	180			60	120	320	20	90	
Serious	5-4	17724-14	10-27-040-09W5	WE	01-34-040-09W5	FERRIER	60		60	60	90			90	30	60	15	90	
Serious	5-4	363-76	12-12-040-22W4	WE	14-36-039-22W4	NEVIS	30		30	240	360			90	30	40	20	90	
Serious	5-4	795-81	14-16-040-22W4	WE	06-14-040-22W4	NEVIS	30		30	120	180		20	60	90	160	20	90	
Serious	5-4	3994-1	05-07-039-20W4	PL	04-07-039-20W4	ERSKINE	60		60	30	45			90	30	20	10	90	
Serious	5-4	5114-1	01-16-038-18W4	WE	08-24-038-19W4	LEAHURST	30		30	240	360		20			320	40	60	
Serious	5-4	15636-1	05-04-038-19W4	WE	08-24-038-19W4	GADSBY	30		30	240	360		20			320	40	60	
Serious	5-4	4670-2	02-35-038-22W4	WE	04-35-038-22W4	NEVIS	30		30	90	135			60	60	80	20	90	
Serious	5-4	23410-6	10-18-038-26W4	PL	06-11-038-26W4	JOFFRE	30		30	240	360		20			160	40	60	
Serious	5-4	16387-10	05-35-038-27W4	PL	11-35-038-27W4	THREE HILLS CREEK	60		60	60	90			90	30	60	15	90	
Serious	5-4	28948-1	16-36-037-18W4	WE	07-31-037-17W4	HALKIRK	30		30	90	135			60	60	80	20	90	
Serious	5-4	15106-1	13-35-037-24W4	WE	06-04-038-24W4	JOFFRE	30		30	240	360		20	60	90	160	20	90	
Serious	5-4	23525-3	16-25-037-24W4	WE	13-34-037-24W4	MIKWAN	30		30	240	360		20			320	40	60	
Serious	5-4	10144-29	06-20-037-25W4	PL	09-16-037-25W4	THREE HILLS CREEK	30		30	240	360			60	60	160	20	90	
Serious	5-4	5054-3	15-09-036-16W4	WE	14-24-036-17W4	PROVOST	30		30	240	360		14			80	40	60	
Serious	5-4	11070-6	01-13-036-16W4	WE	13-07-036-15W4	PROVOST	30		30	90	135			60	60	80	20	90	
Serious	5-4	5586-24	16-04-036-17W4	WE	15-03-036-17W4	LEO	30		30	90	135			60	60	80	20	90	
Serious	5-4	9310-26	15-03-036-17W4	WE	11-24-036-17W4	LEO	30		30	240	360		20			320	40	60	
Serious	5-4	10241-63	13-11-036-17W4	WE	14-24-036-17W4	LEO	30		30	240	360		18	90	30	40	20	90	
Serious	5-4	19302-13	13-03-035-16W4	WE	06-06-035-15W4	ENDIANG	30		30	240	360		20			320	40	60	
Serious	5-4	7270-2	06-29-035-21W4	WE	01-19-035-21W4	RICH	30		30	240	360			90	30	40	20	90	
Serious	5-4	17312-20	10-29-034-15W4	WE	06-28-034-15W4	PROVOST	30		30	90	135			60	60	160	20	90	
Serious	5-4	10407-2	14-16-034-17W4	WE	08-32-034-17W4	LEO	30		30	240	360		20	60	90	160	20	90	
Serious	5-4	18384-19	06-02-034-20W4	WE	14-34-033-20W4	ROWLEY	30		30	90	135			60	60	160	20	90	
Serious	5-4	14518-1	03-05-033-22W4	WE	08-30-032-22W4	GHOST PINE	30		30	240	360		20	90	30	40	20	90	
Serious	5-4	4247-3	16-11-032-12W4	WE	16-09-032-12W4	GARDEN PLAINS	30		30	240	360			90	30	40	20	90	
Serious	5-4	17200-28	06-19-032-16W4	WE	14-35-031-17W4	CRAIGMYLE	30		30	240	360		20			320	40	60	
Serious	5-4	9944-17	06-09-031-01W4	PL	06-09-031-01W4	ESTHER	60		60	30	45			90	30	20	10	90	
Serious	5-4	16574-20	06-09-031-01W4	PL	06-09-031-01W4	ESTHER	60		60	30	45			90	30	20	10	90	
Serious	5-4	2672-52	06-16-031-04W4	WE	09-09-031-04W4	SEDALIA	30		30	90	135			60	60	80	20	90	
Serious	5-4	9828-14	04-09-031-16W4	WE	04-12-031-17W4	WATTS	30		30	240	360		20			320	40	60	
Serious	5-4	19453-45	14-11-031-16W4	PL	04-09-031-16W4	WATTS	30		30	240	360			90	30	40	20	90	
Serious	5-4	5733-29	14-35-031-17W4	WE	14-32-031-17W4	CRAIGMYLE	30		30	240	360		20	60	90	160	20	90	
Serious	5-4	11467-123	06-03-031-18W4	PL	12-33-030-18W4	MICHICI	30		30	90	135			90	60	80	20	90	
Serious	5-4	3850-4	06-29-030-10W4	WE	11-29-030-09W4	STANMORE	30		30	240	360		20			320	40	60	
Serious	5-4	22492-7	11-16-030-10W4	PL	10-14-030-10W4	STANMORE	30		30	240	360		20	60	60	160	20	90	
Serious	5-4	5925-18	07-17-030-11W4	WE	07-09-030-11W4	STANMORE	30		30	90	135			60	120	320	20	90	
Serious	5-4	8008-34	16-04-030-11W4	WE	01-09-030-11W4	STANMORE	60		60	30	45			90	30	40	15	90	
Serious	5-4	2002-1	07-09-030-11W4	CS	01-11-030-12W4	STANMORE	30		30	240	360		20			80	40	60	
Serious	5-4	5685-28	04-22-030-12W4	WE	14-13-030-12W4	RICHDALE	30		30	120	180		20	60	90	160	20	90	
Serious	5-4	5838-10	05-12-030-12W4	WE	10-35-029-12W4	RICHDALE	30		30	240	360			90	30	40	20	90	
Serious	5-4	10398-1	06-34-030-12W4	WE	07-09-030-12W4	RICHDALE	30		30	240	360		20			320	40	60	
Serious	5-4	37635-20	16-17-030-15W4	WE	16-16-030-15W4	WATTS	30		30	90	135			60	60	160	20	90	
Serious	5-4	17814-75	06-14-030-18W4	WE	11-26-030-18W4	MICHICI	30		30	240	360		18	90	30	40	20	90	
Serious	5-4	8832-2	06-19-029-11W4	WE	07-12-029-12W4	RICHDALE	30		30	240	360		18	90	30	40	20	90	
Serious	5-4	5517-17	10-34-028-11W4	WE	06-36-028-11W4	STANMORE	30		30	240	360			90	30	40	20	90	
Serious	5-4	7177-17	06-21-028-11W4	PL	11-29-028-11W4	STANMORE	30		30	240	360			90	30	40	20	90	
Serious	5-4	15398-3	07-06-027-10W4	PL	06-05-027-10W4	SUNNYNOOK	30		30	90	135			60	60	80	20	90	
Serious	5-4	27473-32	08-04-027-10W4	WE	07-03-027-10W4	SUNNYNOOK	30		30	90	135			60	60	160	20	90	
Serious	5-4	24499-1	06-32-026-09W4	WE	07-31-026-09W4	HEATHDALE	30		30	90	135			60	60	160	20	90	
Serious	5-4	19343-3	04-27-026-10W4	WE	01-17-026-10W4	SUNNYNOOK	30		30	240	360		20	60	90	160	20	90	
Serious	5-4	15138-23	03-15-026-11W4	WE	06-18-026-10W4	SUNNYNOOK	30		30	240	360		20	60	90	160	20	90	
Serious	5-4	2516-1	11-07-026-13W4	WE	02-32-025-13W4	CESSFORD	30		30	240	360		20	90	30	40	20	90	
Serious	5-4	2217-10	14-35-026-15W4	WE	11-36-026-15W4	CESSFORD	30		30	90	135			60	60	80	20	90	
Serious	5-4	1178-30	10-09-026-17W4	WE	16-12-026-18W4	CESSFORD	30		30	240	360		20	60	90	160	20	90	
Serious	5-4	4118-11	10-15-026-20W4	WE	06-19-026-19W4	HUSSAR	30		30	240	360		20			320	40	60	
Serious	5-4	2916-2	06-04-025-09W4	WE	06-24-024-10W4	BARTMAN	30		30	240	360		20			320	40	60	
Serious	5-4	855-1	14-14-025-12W4	CS	05-13-025-12W4	CESSFORD	30		30	90	135			60	60	80	20	90	
Serious	5-4	5578-29	11-26-025-15W4	WE	11-27-025-15W4	CONNORSVILLE	30		30	90	135			60	60	160	20	90	
Serious	5-4	7383-1	10-09-025-15W4	WE	03-16-025-15W4	CONNORSVILLE	30		30	90	135			60	60	80	20	90	
Serious	5-4	4544-1	01-20-024-10W4	WE	03-06-024-10W4	CESSFORD	30		30	240	360		20			320	40	60	
Serious	5-4	31377-31	11-03-024-10W4	WE	12-02-024-10W4	CESSFORD	30		30	90	135			60	60	160	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/Slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Serious	4-4	8078-24	10-30-009-16W4	WE	16-30-009-16W4	TABER	90	90						90	30	120	15	60	
Serious	4-4	9088-34	10-29-009-16W4	WE	12-29-009-16W4	TABER	60		60	30	45			30	30	80	15	60	
Serious	4-4	8222-56	10-19-009-16W4	WE	02-30-009-16W4	TABER	60		60	30	45			30	30	120	15	60	
Serious	4-4	4904-61	06-19-009-16W4	WE	10-19-009-16W4	TABER	90	90						90	30	80	15	60	
Serious	4-4	13416-92	10-30-009-16W4	WE	02-30-009-16W4	TABER	30	30				4		90	30	80	20	60	
Serious	4-4	9521-71	07-26-009-17W4	PL	02-30-009-16W4	TABER	30	30				7		60	60	160	40	30	
Serious	4-4	11685-79	15-26-009-17W4	WE	08-26-009-17W4	TABER	90	90						90	30	80	15	60	
Serious	4-4	15647-14	16-16-009-17W4	WE	14-10-009-17W4	TABER	30	30						60	60	160	40	30	
Serious	4-4	17364-25	02-16-009-17W4	WE	01-16-009-17W4	TABER	30		60	120	180			30	60	160	40	30	
Serious	4-4	18891-32	14-10-009-17W4	PL	15-15-009-17W4	TABER	30	30				4		90	30	80	40	60	
Serious	4-4	15809-89	16-32-009-17W4	PL	05-04-010-17W4	TABER	30		60	90	135			30	30	80	20	60	
Serious	4-4	25509-53	15-36-009-17W4	PL	08-02-010-17W4	TABER	30		60	90	135			30	60	160	40	60	
Serious	4-4	4945-54	15-36-009-17W4	PL	02-12-010-17W4	TABER	30	30						60	60	160	40	30	
Serious	4-4	7623-14	02-32-008-16W4	WE	15-29-008-16W4	TABER	90	90						90	30	120	15	60	
Serious	4-4	7623-19	04-29-008-16W4	PL	06-19-008-16W4	TABER	60	60				4		90	30	80	40	60	
Serious	4-4	10164-23	04-19-008-16W4	PL	05-19-008-16W4	TABER	90		60	30	45			30	30	120	15	60	
Serious	4-4	9882-152	14-29-008-16W4	WE	12-28-008-16W4	TABER	30	30						90	60	160	20	60	
Serious	4-4	10447-219	04-06-008-16W4	PL	03-19-008-16W4	TABER SOUTH	30		60	240	360			30	60	160	40	30	
Serious	4-4	3811-89	09-23-008-17W4	PL	12-24-008-17W4	TABER	60	60						90	30	120	15	60	
Serious	4-4	10870-111	12-14-008-17W4	WE	12-13-008-17W4	TABER SOUTH	60	60						60	60	160	40	30	
Serious	4-4	1976-113	13-23-008-17W4	WE	09-23-008-17W4	TABER	60	60				4		90	30	80	40	60	
Serious	4-4	7200-258	05-24-008-17W4	PL	11-24-008-17W4	TABER	90	90				4		90	30	80	15	60	
Serious	4-4	1917-10	06-22-006-08W4	PL	08-21-006-08W4	ETZIKOM	60	60						90	30	60	15	60	
Serious	4-4	5063-6	14-11-006-17W4	WE	02-14-006-17W4	WRENTHAM	90	90						90	30	120	15	60	
Serious	4-4	6329-7	02-14-006-17W4	WE	08-14-006-17W4	WRENTHAM	60		60	30	45			30	30	120	15	60	
Serious	4-4	12960-1	13-34-005-12W4	CS	09-23-006-11W4	SMITH COULLEE	30	30					20		200	60	30		
Serious	4-4	11632-57	06-35-005-12W4	WE	01-36-005-12W4	SMITH COULLEE	30	30					20	60	90	160	40	30	
0-																			
Serious	4-3	2213-33	16-15-124-11W4	WE	16-22-024-11W4	CESSFORD	60	60						60	90	160	40	60	
Serious	4-3	20120-5	06-08-101-12W6	WE	13-01-101-13W6	PEDIGREE	30		60	120	180		18	60	60	160	40	30	
Serious	4-3	9305-2	10-24-101-13W6	WE	13-01-101-13W6	PEDIGREE	30	30					15	60	60	160	40	30	
Serious	4-3	2645-10	06-23-015-02W4	WE	06-14-015-02W4	MEDICINE HAT	60	60						60	90	160	40	60	
Serious	4-3	4859-70	16-13-015-02W4	WE	07-13-015-02W4	MEDICINE HAT	90	90						90	60	80	15	60	
Serious	4-3	539-90	06-21-015-02W4	WE	16-16-015-02W4	MEDICINE HAT	60	60						60	60	160	20	60	
Serious	4-3	4805-94	16-23-015-02W4	WE	06-24-015-02W4	MEDICINE HAT	60	60						60	60	80	20	60	
Serious	4-3	5129-140	13-23-015-02W4	WE	06-23-015-02W4	MEDICINE HAT	90	90						90	60	80	15	60	
Serious	4-3	7440-10	13-10-015-10W4	WE	10-10-015-10W4	ALDERSON	30	30						90	30	80	20	60	
Serious	4-3	6986-23	14-15-015-10W4	WE	12-15-015-10W4	ALDERSON	60	60				4		90	30	80	15	60	
Serious	4-3	10516-14	10-08-015-10W4	WE	16-08-015-10W4	ALDERSON	90	90						90	30	40	10	60	
Serious	4-3	7098-15	14-09-015-10W4	WE	16-08-015-10W4	ALDERSON	90	90						90	30	120	15	60	
Serious	4-3	3498-2	02-11-015-11W4	WE	10-35-014-11W4	ALDERSON	60	60						60	90	160	40	30	
Serious	4-3	5664-13	07-06-015-11W4	WE	11-30-014-11W4	ALDERSON	60	60						60	90	160	40	30	
Serious	4-3	2249-15	02-05-015-11W4	WE	11-29-014-11W4	ALDERSON	60	60						60	90	160	40	30	
Serious	4-3	1666-32	09-06-015-11W4	WE	07-06-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	5747-33	11-05-015-11W4	WE	08-05-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	8330-50	07-12-015-11W4	WE	10-01-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	5331-52	10-08-015-11W4	WE	11-10-015-11W4	ALDERSON	60	60						60	90	160	40	30	
Serious	4-3	2249-57	07-15-015-11W4	WE	09-10-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	8330-58	10-16-015-11W4	WE	07-15-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	6080-61	06-24-015-11W4	WE	11-11-015-11W4	ALDERSON	30	30						60	90	160	40	30	
Serious	4-3	1666-93	06-20-015-11W4	WE	10-17-015-11W4	ALDERSON	60	60						60	60	80	20	60	
Serious	4-3	1082-95	06-08-015-11W4	WE	10-08-015-11W4	ALDERSON	60	60						60	60	80	20	60	
Serious	4-3	4831-98	06-11-015-11W4	WE	07-11-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	2998-113	09-20-015-11W4	WE	06-20-015-11W4	ALDERSON	60	60						60	60	160	20	60	
Serious	4-3	3332-449	13-04-015-11W4	WE	10-05-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	2998-450	16-04-015-11W4	WE	10-04-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	6580-502	10-25-015-11W4	PL	11-25-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	3748-508	12-30-015-11W4	WE	11-30-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	4914-517	15-35-015-11W4	WE	08-35-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	4248-520	03-15-015-11W4	WE	02-15-015-11W4	ALDERSON	60	60						90	30	60	15	60	
Serious	4-3	2748-530	02-29-015-11W4	WE	06-29-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	4664-536	11-28-015-11W4	WE	10-28-015-11W4	ALDERSON	90	90						90	60	80	15	60	
Serious	4-3	7830-539	12-27-015-11W4	WE	10-28-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	4998-546	10-14-015-11W4	WE	08-14-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	3831-578	12-15-015-11W4	WE	05-15-015-11W4	ALDERSON	60	60						90	60	80	15	60	
Serious	4-3	6664-803	02-23-015-11W4	PL	08-15-015-11W4	ALDERSON	60	60				4		90	30	40	20	60	
Serious	4-3	5997-92	09-24-015-12W4	WE	06-17-015-11W4	ALDERSON	60	60						60	90	160	40	30	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Serious	2-5	15211-146	06-34-068-04W4	PL	11-32-068-05W4	FISHER	30									320	20	90
Serious	2-5	8508-148	11-32-068-04W4	PL	12-32-068-04W4	FISHER	60									120	15	90
Serious	2-5	7219-150	12-32-068-04W4	PL	08-30-068-04W4	FISHER	30									160	20	90
Serious	2-5	47129-74	05-36-068-04W4	PL	08-02-069-04W4	SEDGEWICK	60	60						90	30	40	20	90
Serious	2-5	1380-50	07-05-068-04W6	CS	13-26-067-05W6	ELMWORTH	30	60				4				80	40	60
Serious	2-5	37618-15	15-11-068-05W4	WE	09-14-068-05W4	FISHER	60									40	20	90
Serious	2-5	57271-47	12-01-068-05W4	PL	12-13-068-05W4	PROVOST	30	60				20		90	30	40	20	90
Serious	2-5	27461-80	04-30-068-05W6	WE	02-30-068-05W6	ELMWORTH	60	60				5		90	30	40	15	90
Serious	2-5	23584-82	10-23-068-06W6	PL	10-26-068-06W6	ELMWORTH	30									80	20	90
Serious	2-5	4295-31	06-10-068-07W6	PL	03-14-068-07W6	WAPITI	30	60				5		90	30	40	20	90
Serious	2-5	36581-1	15-04-068-07W6	PL	06-10-068-07W6	WAPITI	60									40	20	90
Serious	2-5	21519-1	10-01-068-09W6	CS	01-01-068-09W6	WAPITI	60	60				12		90	30	40	20	90
Serious	2-5	56443-38	06-33-068-10W6	WE	02-05-069-10W6	ELMWORTH	60	60				4		90	30	40	20	90
Serious	2-5	19254-28	05-04-068-11W6	PL	07-04-068-11W6	WAPITI	60	60				4		90	30	40	15	90
Serious	2-5	39075-49	06-02-068-11W6	WE	06-02-068-11W6	WAPITI	60	60				20		90	30	20	10	90
Serious	2-5	24917-50	02-02-068-11W6	PL	10-29-067-10W6	WAPITI	30	60				15				80	40	60
Serious	2-5	10895-1	01-19-068-12W4	CS	04-20-068-12W4	TWEEDIE	60	60				4		90	30	40	15	90
Serious	2-5	3938-8	11-12-068-13W4	PL	01-19-068-12W4	TWEEDIE	30	60				4		90	30	40	20	90
Serious	2-5	30441-8	11-28-068-13W4	BE	12-06-069-13W4	TWEEDIE										40	20	90
Serious	2-5	32508-2	10-14-068-22W5	PL	02-02-069-22W5	STURGEON LAKE SOUTH	30	60					20			160	40	60
Serious	2-5	22303-8	11-11-067-01W6	BE	14-11-067-02W6	KARR										160	50	60
Serious	2-5	6319-2	08-03-067-02W6	WE	16-28-066-02W6	KARR	30									80	20	90
Serious	2-5	25267-95	06-11-067-03W4	PL	03-14-067-03W4	MOORE	60									160	20	90
Serious	2-5	9539-105	08-09-067-03W4	PL	05-05-067-04W4	MOORE	30									640	50	60
Serious	2-5	7992-117	02-15-067-03W4	PL	05-14-067-03W4	MOORE	60									120	15	90
Serious	2-5	4977-6	06-11-067-03W4	BE	03-14-067-03W4	MOORE										80	20	90
Serious	2-5	3351-34	09-30-067-04W4	PL	16-19-067-04W4	MOORE	60									160	20	90
Serious	2-5	14954-39	09-31-067-04W4	PL	09-30-067-04W4	MOORE	60									160	20	90
Serious	2-5	12375-44	03-10-067-04W4	WE	04-10-067-04W4	MOORE	90									80	15	90
Serious	2-5	6703-59	04-22-067-04W4	BE	13-15-067-04W4	MOORE										120	15	90
Serious	2-5	23978-97	05-05-067-04W4	BE	12-08-066-05W4	MOORE										640	50	60
Serious	2-5	16501-106	05-05-067-04W4	PL	16-31-066-04W4	MOORE	60									160	15	90
Serious	2-5	19852-154	05-05-067-04W4	PL	11-08-066-05W4	LEMING	30									640	50	60
Serious	2-5	18706-4	07-12-067-04W4	PL	08-11-067-04W4	LEMING	60	60						90	30	40	20	90
Serious	2-5	14677-16	09-13-067-04W4	PL	07-12-067-04W4	MOORE	60	60				4		90	30	40	20	90
Serious	2-5	8633-56	07-11-067-04W4	PL	10-05-067-04W4	MOORE	30	60				7				80	40	60
Serious	2-5	13131-4	05-05-067-04W4	PL	14-11-067-03W4	MOORE										80	50	60
Serious	2-5	20200-1	05-05-067-04W4	BE	10-05-067-04W4	MOORE										40	15	90
Serious	2-5	4985-34	14-33-067-05W6	PL	08-33-067-05W6	ELMWORTH	60	60				6		90	30	40	20	90
Serious	2-5	767-35	08-33-067-05W6	PL	12-26-067-05W6	ELMWORTH	60	60				5		90	30	40	20	90
Serious	2-5	27494-8	13-26-067-05W6	GP	10-01-068-06W6	ELMWORTH	60	60				6				80	40	60
Serious	2-5	11568-5	16-20-067-06W6	WE	12-20-067-06W6	ELMWORTH	30									80	20	90
Serious	2-5	10282-9	13-06-067-06W6	PL	02-28-066-07W6	ELMWORTH	30	60				4				80	40	60
Serious	2-5	27450-13	16-23-067-06W6	WE	12-26-067-06W6	ELMWORTH	30									80	20	90
Serious	2-5	38987-14	10-21-067-06W6	WE	05-27-067-06W6	ELMWORTH	30									80	20	90
Serious	2-5	15913-16	08-28-067-06W6	BE	05-27-067-06W6	ELMWORTH	60									60	15	90
Serious	2-5	39119-9	16-31-067-07W6	BE	11-31-067-07W6	WAPITI										60	15	90
Serious	2-5	27873-1	07-13-067-08W6	BE	10-18-067-07W6	WAPITI										40	20	90
Serious	2-5	49268-4	06-07-067-08W6	WE	09-24-067-09W6	WAPITI	30	60				7		90	30	40	20	90
Serious	2-5	32279-5	09-24-067-09W6	PL	16-36-067-09W6	WAPITI	60	60				4		90	30	40	20	90
Serious	2-5	10759-52	09-32-067-09W6	PL	13-33-067-09W6	WAPITI	60	60				4		90	30	40	15	90
Serious	2-5	9109-2	06-25-067-09W6	WE	05-30-067-09W6	WAPITI	60	60				5		90	30	40	15	90
Serious	2-5	33412-9	10-04-067-10W6	PL	02-15-067-10W6	WAPITI	60	60				4		90	30	40	20	90
Serious	2-5	41340-44	14-17-067-10W6	CS	07-20-067-10W6	WAPITI	60									40	15	90
Serious	2-5	6872-4	14-08-067-11W6	WE	07-17-067-11W6	WAPITI	30	60				4		90	30	40	20	90
Serious	2-5	50749-10	12-07-067-12W6	WE	06-16-067-12W6	WAPITI	30									80	20	90
Serious	2-5	14212-6	09-21-067-16W4	BE	11-21-067-16W4	ATMORE										40	15	90
Serious	2-5	14392-9	11-21-067-16W4	MS	12-20-067-16W4	ATMORE	30	60				5		90	30	40	20	90
Serious	2-5	2766-18	02-09-067-26W4	BE	06-09-067-26W4	BIG BEND										40	15	90
Serious	2-5	954-24	02-07-067-26W4	CS	06-06-067-26W4	BIG BEND	60	60				6		90	30	40	20	90
Serious	2-5	8333-13	11-29-066-01W5	BE	11-26-066-01W5	BIG BEND										80	40	60
Serious	2-5	11878-2	13-24-066-01W5	WE	07-25-066-01W5	NITON	30	60				4		90	30	40	20	90
Serious	2-5	22848-23	04-09-066-04W6	PL	04-12-066-04W6	KARR	30							20		160	40	60
Serious	2-5	10309-3	02-17-066-05W4	PL	11-08-066-05W4	LEMING	30									160	20	90
Serious	2-5	20034-21	10-31-066-05W4	BE	03-32-066-05W4	LEMING										40	20	90
Serious	2-5	7878-3	12-08-066-05W4	B	05-05-067-04W4	LEMING										80	50	60
Serious	2-5	23339-16	07-21-066-05W6	WE	04-09-066-04W6	KARR	30	60				4				80	50	60

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	3-3	26726-3	10-21-103-08W6	BE	02-28-103-08W6	CHARM										60	15	90	
Moderate	3-3	10112-5	04-16-103-08W6	BE	08-08-103-08W6	CHARM										160	20	90	
Moderate	3-3	4531-1	05-03-103-08W6	WE	07-10-103-08W6	CHARM	30	30						60	60	160	40	60	
Moderate	3-3	23274-78	15-10-011-25W4	WE	16-16-011-25W4	GRANUM	30	30						60	120	320	40	60	
Moderate	3-3	3645-79	16-16-011-25W4	WE	14-17-011-25W4	GRANUM	30	30						60	120	320	40	60	
Moderate	3-3	22488-1	14-17-011-25W4	WE	16-18-011-25W4	GRANUM	60	60						90	60	80	15	90	
Moderate	3-3	7851-30	13-29-011-26W4	WE	12-32-011-26W4	EASTMONT	60	60						90	60	80	15	90	
Moderate	3-3	6729-75	13-18-011-26W4	WE	07-24-011-27W4	EASTMONT	60	60						60	90	160	20	60	
Moderate	3-3	8419-10	09-35-011-27W4	PL	16-02-012-27W4	CLARESHOLM	60	60						60	60	160	40	60	
Moderate	3-3	8171-37	16-32-011-27W4	WE	08-04-012-27W4	EASTMONT	60	60						60	90	160	20	60	
Moderate	3-3	10375-41	05-12-011-27W4	WE	07-11-011-27W4	EASTMONT	30	30						60	60	160	20	90	
Moderate	3-3	2804-54	07-15-011-27W4	WE	02-14-011-27W4	EASTMONT	60	60						60	90	160	20	60	
Moderate	3-3	19909-71	15-03-011-27W4	WE	07-10-011-27W4	EASTMONT	60	60						90	60	80	15	90	
Moderate	3-3	26358-87	09-20-011-27W4	WE	05-21-011-27W4	EASTMONT	90	90						90	60	80	15	90	
Moderate	3-3	25797-91	06-07-011-27W4	WE	16-07-011-27W4	EASTMONT	30	30						60	120	320	40	60	
Moderate	3-3	5047-95	16-30-011-27W4	WE	03-30-011-27W4	EASTMONT	30	30						60	90	160	20	60	
Moderate	3-3	4766-96	16-17-011-27W4	WE	12-21-011-27W4	EASTMONT	30	30						60	60	160	20	90	
Moderate	3-3	15983-107	16-07-011-27W4	PL	08-18-011-27W4	EASTMONT	60	60						90	60	80	20	90	
Moderate	3-3	3364-108	16-07-011-27W4	PL	02-16-011-27W4	EASTMONT	60	60						60	120	320	40	60	
Moderate	3-3	26358-31	16-24-011-28W4	WE	03-30-011-27W4	EASTMONT	30	30						60	60	80	20	90	
Moderate	3-3	11777-74	08-26-011-28W4	WE	03-36-011-28W4	EASTMONT	60	60						60	120	320	40	60	
Moderate	3-3	22105-1	03-36-011-28W4	WE	11-36-011-28W4	EASTMONT	60	60						90	60	80	15	90	
Moderate	3-3	9665-154	11-04-010-16W4	BE	10-04-010-16W4	TABER										40	10	90	
Moderate	3-3	3895-155	11-04-010-16W4	BE	10-04-010-16W4	TABER										40	10	90	
Moderate	3-3	1875-188	02-04-010-16W4	BE	02-04-010-16W4	TABER										40	10	90	
Moderate	3-3	3173-209	09-04-010-16W4	BE	10-04-010-16W4	TABER										40	10	90	
Moderate	3-3	8246-11	06-25-010-16W4	BE	13-25-010-16W4	TABER										80	15	90	
Moderate	3-3	3684-17	02-35-010-16W4	WE	06-35-010-16W4	TABER NORTH	60	60						90	30	80	15	90	
Moderate	3-3	4211-20	16-35-010-16W4	WE	16-35-010-16W4	TABER NORTH	60	60						90	30	40	10	90	
Moderate	3-3	8071-28	13-25-010-16W4	PL	05-36-010-16W4	TABER	60	60						90	30	120	15	90	
Moderate	3-3	15265-35	12-25-010-16W4	WE	05-36-010-16W4	TABER	60	60						90	30	80	20	90	
Moderate	3-3	13861-53	02-35-010-16W4	PL	06-35-010-16W4	TABER NORTH	60	60						90	30	80	15	90	
Moderate	3-3	18999-2	13-20-010-16W4	BE	11-17-010-16W4	TABER NORTH										80	20	60	
Moderate	3-3	7093-27	09-18-010-16W4	WE	12-17-010-16W4	TABER	60	60						90	30	120	15	90	
Moderate	3-3	15199-30	01-18-010-16W4	WE	01-18-010-16W4	TABER NORTH	60	60						90	30	40	10	90	
Moderate	3-3	20824-51	05-07-010-16W4	PL	08-12-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	24267-3	12-25-010-16W4	WE	16-26-010-16W4	TABER	60	60						90	30	120	15	90	
Moderate	3-3	10814-8	09-35-010-16W4	BE	16-35-010-16W4	TABER NORTH										40	10	90	
Moderate	3-3	15563-10	01-35-010-16W4	WE	16-26-010-16W4	TABER NORTH	90	90						90	30	40	10	90	
Moderate	3-3	17409-17	04-25-010-16W4	WE	05-25-010-16W4	TABER	60	60						90	30	120	15	90	
Moderate	3-3	8177-18	13-25-010-16W4	BE	16-26-010-16W4	TABER										120	15	90	
Moderate	3-3	6066-19	02-35-010-16W4	WE	16-26-010-16W4	TABER NORTH	60	60						90	30	120	15	90	
Moderate	3-3	11606-20	16-26-010-16W4	PL	16-26-010-16W4	TABER NORTH	60	60						90	30	40	10	90	
Moderate	3-3	23212-27	13-35-010-16W4	PL	11-35-010-16W4	TABER NORTH	60	60						90	30	80	15	90	
Moderate	3-3	21102-29	13-35-010-16W4	PL	16-35-010-16W4	TABER NORTH	30	30						90	30	80	20	90	
Moderate	3-3	1600-12	05-23-010-17W4	WE	06-23-010-17W4	TABER NORTH	90	90						90	30	40	10	90	
Moderate	3-3	9372-15	07-23-010-17W4	WE	06-23-010-17W4	TABER NORTH	60	60						90	30	40	10	90	
Moderate	3-3	6172-22	01-23-010-17W4	PL	08-23-010-17W4	TABER NORTH	60	60						90	30	40	10	90	
Moderate	3-3	1828-28	04-14-010-17W4	PL	05-14-010-17W4	TABER NORTH	60	60						90	30	40	10	90	
Moderate	3-3	4914-46	04-24-010-17W4	WE	06-24-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	10172-68	05-24-010-17W4	WE	04-24-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	5143-72	08-15-010-17W4	WE	01-15-010-17W4	TABER NORTH	90	90						90	30	40	10	90	
Moderate	3-3	4457-74	02-15-010-17W4	WE	02-15-010-17W4	TABER NORTH	90	90						90	30	40	10	90	
Moderate	3-3	8115-80	08-16-010-17W4	BE	08-16-010-17W4	TABER NORTH										40	10	90	
Moderate	3-3	3314-94	01-13-010-17W4	WE	08-13-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	2057-96	07-14-010-17W4	WE	07-14-010-17W4	TABER NORTH	60	60						90	30	40	10	90	
Moderate	3-3	4114-108	13-13-010-17W4	WE	13-13-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	9258-118	09-09-010-17W4	BE	09-09-010-17W4	TABER NORTH										40	10	90	
Moderate	3-3	9944-120	07-22-010-17W4	WE	08-22-010-17W4	TABER NORTH	90	90						90	30	40	10	90	
Moderate	3-3	4000-126	14-24-010-17W4	WE	13-24-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	3771-148	01-24-010-17W4	WE	01-24-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	8915-154	02-13-010-17W4	WE	07-13-010-17W4	TABER	60	60						90	30	40	10	90	
Moderate	3-3	5600-156	01-13-010-17W4	WE	01-13-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	3886-167	11-13-010-17W4	WE	06-13-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	1943-168	06-15-010-17W4	WE	06-15-010-17W4	TABER NORTH	90	90						90	30	40	10	90	
Moderate	3-3	3886-170	01-23-010-17W4	WE	01-23-010-17W4	TABER NORTH	90	90						90	30	40	10	90	
Moderate	3-3	6743-175	08-16-010-17W4	WE	01-16-010-17W4	TABER NORTH	90	90						90	30	40	10	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	3-3	1600-204	14-13-010-17W4	PL	06-24-010-17W4	TABER	60	60						90	30	80	15	90	
Moderate	3-3	6497-19	13-10-010-17W4	WE	13-10-017-17W4	TABER NORTH	90	90						90	30	40	10	90	
Moderate	3-3	20357-33	04-09-010-17W4	BE	04-09-010-17W4	TABER NORTH										40	10	90	
Moderate	3-3	12561-34	16-04-010-17W4	BE	16-04-010-17W4	TABER NORTH										40	10	90	
Moderate	3-3	14943-39	11-10-010-17W4	WE	13-10-010-17W4	TABER NORTH	90	90						90	30	40	10	90	
Moderate	3-3	10395-42	06-09-010-17W4	BE	03-09-010-17W4	TABER NORTH										40	10	90	
Moderate	3-3	11911-86	13-03-010-17W4	BE	04-10-010-17W4	TABER NORTH										40	10	90	
Moderate	3-3	5466-12	06-01-010-17W4	PL	07-01-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	5466-15	02-12-010-17W4	WE	02-12-010-17W4	TABER	90	60						90	30	80	15	90	
Moderate	3-3	18481-31	06-01-010-17W4	WE	06-01-010-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	22646-42	03-12-010-17W4	WE	13-01-010-17W4	TABER	60	60						90	30	40	10	90	
Moderate	3-3	13275-56	08-02-010-17W4	WE	08-02-010-17W4	TABER	90	90				4		90	30	40	10	90	
Moderate	3-3	5311-5	06-29-010-18W4	WE	13-29-010-18W4	RETLAW	60	60				4		90	30	80	20	90	
Moderate	3-3	16819-16	05-20-010-18W4	WE	04-20-010-18W4	RETLAW	90	90						90	30	40	10	90	
Moderate	3-3	15088-2	08-32-010-18W4	PL	13-32-010-18W4	RETLAW	60	60				4		90	30	80	20	60	
Moderate	3-3	22793-3	06-19-010-18W4	BE	06-30-010-18W4	RETLAW										80	20	60	
Moderate	3-3	10593-4	13-29-010-18W4	S	14-32-010-18W4	RETLAW	60	60				4		90	30	80	20	60	
Moderate	3-3	27929-5	01-29-010-18W4	PL	13-29-010-18W4	RETLAW	60	60				4		90	30	160	40	60	
Moderate	3-3	15862-2	04-29-010-18W4	BE	13-29-010-18W4	RETLAW										80	15	90	
Moderate	3-3	12825-5	13-32-010-18W4	BE	14-32-010-18W4	RETLAW										60	15	90	
Moderate	3-3	33427-9	06-30-010-18W4	BE	14-30-010-18W4	RETLAW										120	15	90	
Moderate	3-3	32399-10	16-30-010-18W4	WE	14-30-010-18W4	RETLAW										80	15	90	
Moderate	3-3	17999-14	06-27-010-18W4	WE	10-27-010-18W4	RETLAW	60	60								80	15	90	
Moderate	3-3	49369-16	04-28-010-18W4	BE	01-29-010-18W4	RETLAW						4				40	10	90	
Moderate	3-3	3364-72	01-21-010-26W4	WE	08-16-010-26W4	AMELIA	60	60						60	90	160	20	60	
Moderate	3-3	21030-37	13-34-010-27W4	WE	06-02-011-27W4	AMELIA	60	60						60	60	80	20	90	
Moderate	3-3	3597-1	03-22-009-09W4	WE	14-21-008-09W4	MEDICINE HAT	30	30								320	40	60	
Moderate	3-3	11575-8	08-06-009-11W4	WE	03-05-009-11W4	FORTY MILE	60	60				20		60	60	160	20	90	
Moderate	3-3	5337-12	02-29-009-16W4	WE	04-29-009-16W4	TABER	30	30						90	30	80	20	90	
Moderate	3-3	9376-13	14-20-009-16W4	WE	03-29-009-16W4	TABER	60	60						90	30	40	10	90	
Moderate	3-3	8078-23	01-31-009-16W4	WE	13-29-009-16W4	TABER	60	60				4		90	30	80	15	90	
Moderate	3-3	3750-26	04-32-009-16W4	WE	13-29-009-16W4	TABER	60	60						90	30	40	10	90	
Moderate	3-3	10386-36	13-20-009-16W4	WE	04-29-009-16W4	TABER	60	60						90	30	40	10	90	
Moderate	3-3	7790-37	13-20-009-16W4	WE	04-29-009-16W4	TABER	60	60						90	30	40	10	90	
Moderate	3-3	11540-60	12-20-009-16W4	WE	10-19-009-16W4	TABER	30	30				4		90	30	80	20	90	
Moderate	3-3	3750-90	06-29-009-16W4	BE	05-29-009-16W4	TABER										40	10	90	
Moderate	3-3	9665-93	10-30-009-16W4	BE	02-30-009-16W4	TABER										80	20	90	
Moderate	3-3	3173-123	05-19-009-16W4	WE	11-19-009-16W4	TABER	60	60				4		90	30	80	15	90	
Moderate	3-3	8511-125	05-19-009-16W4	WE	12-19-009-16W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	5337-126	05-19-009-16W4	WE	12-19-009-16W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	12550-187	12-20-009-16W4	PL	12-20-009-16W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	26144-9	02-05-009-16W4	PL	01-05-009-16W4	TABER	60	60						90	30	120	15	90	
Moderate	3-3	8198-17	16-15-009-17W4	BE	11-15-009-17W4	TABER										80	15	90	
Moderate	3-3	3306-19	16-15-009-17W4	PL	15-15-009-17W4	TABER	60	60						90	30	40	10	90	
Moderate	3-3	9918-25	03-22-009-17W4	PL	01-22-009-17W4	TABER	30	30						90	30	80	20	90	
Moderate	3-3	3834-28	01-22-009-17W4	PL	15-15-009-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	7405-29	14-14-009-17W4	BE	15-15-009-17W4	TABER										120	15	90	
Moderate	3-3	11396-80	15-26-009-17W4	BE	08-26-009-17W4	TABER										120	15	90	
Moderate	3-3	5533-10	10-10-009-17W4	WE	14-10-009-17W4	TABER	60	60						90	30	40	10	90	
Moderate	3-3	6678-11	10-10-009-17W4	PL	14-10-009-17W4	TABER	90	60						90	30	40	10	90	
Moderate	3-3	12594-18	12-10-009-17W4	WE	12-10-009-17W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	9018-2	15-36-009-17W4	BE	02-30-009-16W4	TABER										320	40	60	
Moderate	3-3	2692-4	11-20-008-10W4	WE	01-30-008-10W4	FORTY MILE	60	60						60	60	160	20	90	
Moderate	3-3	10768-6	15-32-008-11W4	WE	03-05-009-11W4	FORTY MILE	60	60						90	60	80	15	90	
Moderate	3-3	15613-7	16-24-008-11W4	WE	08-25-008-11W4	FORTY MILE	60	60						90	60	80	15	90	
Moderate	3-3	25574-11	06-26-008-11W4	PL	16-26-008-11W4	FORTY MILE	60	60						90	60	80	20	90	
Moderate	3-3	8614-13	07-34-008-11W4	WE	08-34-008-11W4	FORTY MILE	60	60						90	60	80	15	90	
Moderate	3-3	5653-20	08-35-008-11W4	WE	16-26-008-11W4	FORTY MILE	60	60						90	60	80	15	90	
Moderate	3-3	26381-21	14-25-008-11W4	WE	07-25-008-11W4	FORTY MILE	60	60						90	60	80	15	90	
Moderate	3-3	53124-6	06-02-008-15W4	WE	03-02-008-15W4	SEDGEWICK	60	60				4		90	30	80	15	90	
Moderate	3-3	47752-11	07-02-008-15W4	WE	06-02-008-15W4	SEDGEWICK	90	90						90	30	40	10	90	
Moderate	3-3	19100-12	07-02-008-15W4	PL	02-02-008-15W4	SEDGEWICK	90	90						90	30	40	10	90	
Moderate	3-3	7623-26	02-30-008-16W4	WE	02-30-008-16W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	6917-61	06-19-008-16W4	PL	03-19-008-16W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	6211-63	06-19-008-16W4	WE	03-19-008-16W4	TABER	90	90						90	30	40	10	90	
Moderate	3-3	8188-115	11-32-008-16W4	WE	06-32-008-16W4	TABER	60	60						90	30	40	10	90	
Moderate	3-3	8047-186	16-32-008-16W4	WE	16-32-008-16W4	TABER	60	60						90	30	40	10	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-4	26276-1	05-20-067-09W6	BE	02-17-067-09W6	WAPITI										40	20	90	
Moderate	2-4	20953-16	06-08-067-09W6	WE	08-07-067-09W6	WAPITI	60	60				6		90	30	40	15	90	
Moderate	2-4	4724-56	06-04-067-10W5	S	03-10-067-10W5	SWAN HILLS	60									160	20	90	
Moderate	2-4	12931-8	04-26-067-10W5	PL	10-33-067-10W5	SWAN HILLS										80	20	90	
Moderate	2-4	30922-9	11-03-067-10W5	PL	04-34-066-10W5	SWAN HILLS										40	20	90	
Moderate	2-4	8995-10	10-22-067-10W5	PL	09-22-067-10W5	SWAN HILLS	90									40	10	90	
Moderate	2-4	38793-11	10-22-067-10W5	PL	10-22-067-10W5	SWAN HILLS	60									120	15	90	
Moderate	2-4	24178-22	08-29-067-10W5	WE	04-27-067-10W5	SWAN HILLS	60	60				4		90	30	160	20	90	
Moderate	2-4	21519-41	07-24-067-10W6	WE	02-15-067-10W6	WAPITI	30	60				4		90	30	40	20	90	
Moderate	2-4	37533-56	07-17-067-11W6	CS	10-30-067-11W6	WAPITI	30						20			80	20	90	
Moderate	2-4	37252-40	14-05-067-11W6	BE	14-08-067-11W6	WAPITI										40	20	90	
Moderate	2-4	20040-3	11-06-067-11W6	WE	14-08-067-11W6	WAPITI	30	60				4		90	30	40	20	90	
Moderate	2-4	34361-8	09-11-067-12W6	WE	07-14-067-12W6	WAPITI	60									40	20	90	
Moderate	2-4	36771-2	04-36-067-13W4	BE	07-35-067-13W4	TWEEDIE										80	20	90	
Moderate	2-4	33865-95	13-03-067-13W6	PL	12-10-067-13W6	WAPITI	60									40	20	90	
Moderate	2-4	8455-100	13-18-067-16W4	WE	10-19-067-16W4	ATMORE	30									80	20	90	
Moderate	2-4	11514-16	08-30-067-17W4	PL	08-32-067-17W4	ATMORE	60	60				4		90	30	40	20	90	
Moderate	2-4	3320-3	07-25-067-18W4	BE	11-29-067-17W4	ATMORE										60	15	90	
Moderate	2-4	7458-8	07-14-067-19W4	MS	11-07-067-18W4	GRASSLAND	60	60				4				80	40	60	
Moderate	2-4	6065-13	12-11-067-19W4	WE	07-14-067-19W4	GRASSLAND	60									80	20	90	
Moderate	2-4	1392-18	04-26-067-19W4	BE	10-22-067-19W4	GRASSLAND										80	20	90	
Moderate	2-4	5170-15	10-25-067-20W4	WE	10-22-067-19W4	JASLAN	30									320	40	60	
Moderate	2-4	13584-4	04-04-067-23W4	BE	03-32-066-23W4	BAPTISTE							20			80	20	90	
Moderate	2-4	10237-2	10-16-067-23W4	BE	07-21-067-23W4	BAPTISTE										80	20	90	
Moderate	2-4	4438-26	02-34-067-26W4	BE	06-28-067-26W4	BIG BEND										320	20	90	
Moderate	2-4	7916-42	13-17-067-26W4	BE	11-17-067-26W4	BIG BEND										60	15	90	
Moderate	2-4	4252-16	07-19-066-01W5	BE	10-18-066-01W5	BIG BEND										40	20	90	
Moderate	2-4	20193-1	16-20-066-01W5	WE	07-25-066-01W5	NITON	30	60				5				80	40	60	
Moderate	2-4	5752-8	16-35-066-02W5	BE	16-36-066-02W5	BIG BEND										80	20	90	
Moderate	2-4	31571-5	02-15-066-02W5	BE	10-22-066-02W5	BIG BEND										80	20	90	
Moderate	2-4	15878-9	01-06-066-02W6	BE	13-32-065-02W6	KARR										160	20	90	
Moderate	2-4	13502-49	09-34-066-03W5	BE	10-35-066-03W5	AQUINU										160	20	90	
Moderate	2-4	11792-14	13-11-066-04W6	BE	13-11-066-04W6	KARR										20	10	90	
Moderate	2-4	14215-53	15-32-066-04W6	BE	13-32-066-04W6	ELMWORTH										80	20	90	
Moderate	2-4	26085-1	12-15-066-04W6	BE	03-14-066-04W6	KARR										160	20	90	
Moderate	2-4	24267-33	12-15-066-05W6	WE	11-15-066-05W6	KARR	90									20	10	90	
Moderate	2-4	11085-123	16-20-066-05W6	WE	15-20-066-05W6	KARR	60	60				4		90	30	20	10	90	
Moderate	2-4	4507-3	06-14-066-06W4	PL	16-12-066-06W4	LEMING	30	60						90	30	80	20	90	
Moderate	2-4	26853-1	15-31-066-06W6	B	07-28-066-07W6	ELMWORTH	30						20			320	40	60	
Moderate	2-4	10394-1	16-29-066-07W5	BE	11-27-066-07W5	SARAH										80	20	90	
Moderate	2-4	5014-2	04-28-066-07W6	PL	07-28-066-07W6	WAPITI	90									60	15	90	
Moderate	2-4	9343-1	10-31-066-07W6	WE	03-30-066-07W6	WAPITI	60									160	20	90	
Moderate	2-4	30981-27	13-05-066-08W6	BE	01-08-066-08W6	WAPITI										80	20	90	
Moderate	2-4	7456-3	16-34-066-08W6	WE	02-03-067-08W6	WAPITI	60									40	20	90	
Moderate	2-4	51587-1	14-35-066-08W6	BE	04-23-066-08W6	WAPITI										80	40	60	
Moderate	2-4	33024-32	06-17-066-09W6	WE	12-08-066-09W6	WAPITI	60									80	20	90	
Moderate	2-4	28666-7	08-16-066-09W6	WE	15-09-066-09W6	WAPITI	60									40	20	90	
Moderate	2-4	9364-5	12-14-066-10W5	BE	12-22-066-10W5	SWAN HILLS										160	20	90	
Moderate	2-4	8583-14	06-28-066-10W5	BE	02-28-066-10W5	SWAN HILLS										80	15	90	
Moderate	2-4	2006-15	14-21-066-10W5	BE	02-28-066-10W5	SWAN HILLS										80	15	90	
Moderate	2-4	4905-16	12-16-066-10W5	BE	12-22-066-10W5	SWAN HILLS										160	20	90	
Moderate	2-4	8361-18	02-28-066-10W5	BE	13-22-066-10W5	SWAN HILLS										80	20	90	
Moderate	2-4	4013-19	02-28-066-10W5	BE	13-22-066-10W5	SWAN HILLS										80	15	90	
Moderate	2-4	11572-6	05-13-066-10W5	BE	04-25-066-10W5	SWAN HILLS										160	20	90	
Moderate	2-4	6289-10	12-23-066-10W5	BE	04-25-066-10W5	SWAN HILLS										160	20	90	
Moderate	2-4	32638-20	08-30-066-10W5	PL	04-29-066-10W5	SWAN HILLS	90									120	15	90	
Moderate	2-4	33319-8	13-25-066-10W6	BE	02-26-066-10W6	WAPITI										80	20	90	
Moderate	2-4	5849-1	10-21-066-13W6	WE	02-28-066-13W6	WAPITI	30									80	20	90	
Moderate	2-4	33700-13	09-13-066-13W6	WE	03-19-066-12W6	WAPITI	60	60				4		90	30	40	20	90	
Moderate	2-4	9204-4	16-25-066-15W4	BE	01-25-066-14W4	HYLO										320	50	60	
Moderate	2-4	4757-8	02-13-066-15W4	BE	16-25-066-15W4	HYLO										80	40	60	
Moderate	2-4	8601-11	11-18-066-18W4	WE	12-22-066-18W4	FLAT	30						20			320	40	60	
Moderate	2-4	5244-14	10-34-066-18W4	WE	01-34-066-18W4	ATMORE	30									80	20	90	
Moderate	2-4	6275-37	02-05-066-20W4	BE	03-04-066-20W4	FLAT										80	20	90	
Moderate	2-4	20869-9	08-18-066-23W5	PL	10-04-066-23W5	ANTE CREEK NORTH	60	60				4		90	30	160	20	90	
Moderate	2-4	37376-1	05-06-066-24W4	BE	09-31-065-24W4	STEELE										80	20	90	
Moderate	2-4	12437-6	03-24-066-24W5	PL	08-18-066-23W5	ANTE CREEK NORTH	60	60				11		90	30	160	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-4	2740-19	02-33-066-24W5	BE	03-34-066-24W5	ANTE CREEK NORTH										80	20	90	
Moderate	2-4	24781-5	09-08-066-25W4	BE	02-12-066-26W4	STEELE										160	20	90	
Moderate	2-4	9476-48	09-17-066-26W4	PL	08-21-066-26W4	ALDERSON	60	60						60	60	160	20	90	
Moderate	2-4	12882-6	03-18-065-01W6	WE	11-12-065-02W6	KARR	30									80	20	90	
Moderate	2-4	18553-77	06-09-065-02W6	WE	10-04-065-02W6	KARR	60	60						90	30	40	20	90	
Moderate	2-4	16055-7	10-25-065-03W6	WE	16-13-065-03W6	KARR	30	60				4		90	30	40	20	90	
Moderate	2-4	8523-17	01-34-065-03W6	PL	10-25-065-03W6	KARR	30	60				4		90	30	40	20	90	
Moderate	2-4	3938-20	04-36-065-04W5	BE	07-01-066-04W5	MITSUJE										160	20	90	
Moderate	2-4	8890-1	14-07-065-04W5	BE	06-18-065-04W5	DEEP										60	15	90	
Moderate	2-4	16214-9	16-36-065-04W6	BE	16-36-065-04W6	KARR										20	10	90	
Moderate	2-4	15840-7	10-34-065-04W6	BE	11-35-065-04W6	KARR										80	20	90	
Moderate	2-4	19459-3	10-19-065-06W6	WE	16-19-065-06W6	WAPITI	60									80	20	90	
Moderate	2-4	6145-4	07-27-065-07W6	PL	14-29-065-07W6	WAPITI	60						20			160	20	90	
Moderate	2-4	37718-1	14-33-065-08W6	BE	05-04-066-08W6	WAPITI										80	20	90	
Moderate	2-4	12827-1	09-36-065-08W6	WE	07-31-065-07W6	WAPITI	60									80	20	90	
Moderate	2-4	25399-97	11-19-065-08W6	WE	03-30-065-08W6	WAPITI	30									80	20	90	
Moderate	2-4	17504-25	04-03-065-08W6	WE	11-34-064-08W6	WAPITI	60									80	20	90	
Moderate	2-4	41256-3	16-14-065-09W6	WE	06-24-065-09W6	KAKWA	60									80	20	90	
Moderate	2-4	55869-23	09-13-065-09W6	WE	03-13-065-09W6	KAKWA	60									80	20	90	
Moderate	2-4	14574-1	06-20-065-10W6	BE	06-28-065-10W6	KAKWA										40	20	90	
Moderate	2-4	52833-24	10-07-065-10W6	WE	14-14-065-11W6	KAKWA	30	60				4				80	40	60	
Moderate	2-4	35652-6	06-01-065-13W6	WE	03-12-065-13W6	CHINOOK RIDGE	60									40	20	90	
Moderate	2-4	8772-21	15-34-065-23W4	PL	10-05-066-23W4	ATHABASCA	60						12			160	20	90	
Moderate	2-4	21743-27	16-16-065-23W5	PL	01-16-065-23W5	ANTE CREEK NORTH	30									80	20	90	
Moderate	2-4	996-1	08-26-065-24W5	B	04-19-065-23W5	ANTE CREEK NORTH	60	60								160	20	90	
Moderate	2-4	23968-75	04-19-064-01W6	WE	13-19-064-01W6	KARR	30							60	60	160	20	90	
Moderate	2-4	11384-98	12-18-064-01W6	WE	04-19-064-01W6	KARR	60									80	20	90	
Moderate	2-4	19773-85	11-21-064-02W6	WE	04-22-064-02W6	KARR	30									80	20	90	
Moderate	2-4	11548-85	10-21-064-03W6	BE	15-16-064-03W6	KARR										80	20	90	
Moderate	2-4	20672-56	11-22-064-03W6	WE	08-27-064-03W6	KARR	30									160	20	90	
Moderate	2-4	10486-61	06-13-064-03W6	WE	02-15-064-03W6	KARR	60	60								160	20	90	
Moderate	2-4	8388-87	12-27-064-03W6	WE	06-27-064-03W6	KARR	60									60	15	90	
Moderate	2-4	8388-111	13-28-064-03W6	WE	11-28-064-03W6	KARR	60									20	10	90	
Moderate	2-4	11085-113	15-15-064-03W6	WE	12-22-064-03W6	KARR	60									60	15	90	
Moderate	2-4	29061-126	11-12-064-03W6	WE	11-12-064-03W6	KARR	90									20	10	90	
Moderate	2-4	26903-1	16-24-064-03W6	BE	07-19-064-02W6	KARR										160	20	90	
Moderate	2-4	21381-2	11-33-064-06W6	BE	11-25-064-06W6	KAKWA										80	40	60	
Moderate	2-4	19649-3	05-04-064-08W6	WE	04-05-064-08W6	KAKWA	60	60				25		90	30	40	20	90	
Moderate	2-4	39546-41	09-06-064-08W6	WE	05-24-064-09W6	KAKWA	30	60				20				160	40	60	
Moderate	2-4	18917-2	02-25-064-10W5	BE	11-01-064-10W5	SWAN HILLS SOUTH										80	40	60	
Moderate	2-4	19145-33	11-25-064-16W4	BE	06-28-064-16W4	FIGURE LAKE										160	20	90	
Moderate	2-4	4970-9	16-29-064-23W5	PL	10-32-064-23W5	ANTE CREEK NORTH	30									160	20	90	
Moderate	2-4	5073-13	02-32-064-23W5	BE	10-32-064-23W5	ANTE CREEK NORTH										80	15	90	
Moderate	2-4	4624-98	12-01-064-24W5	PL	15-07-064-23W5	WASKAHIGAN	30									160	20	90	
Moderate	2-4	4205-13	02-07-064-25W4	BE	12-07-064-25W4	BOLLOQUE										80	20	90	
Moderate	2-4	21058-1	06-04-064-25W4	BE	10-12-064-26W4	BOLLOQUE										160	40	60	
Moderate	2-4	27764-1	11-10-064-25W4	BE	06-10-064-25W4	BOLLOQUE										20	10	90	
Moderate	2-4	22117-2	02-15-064-25W4	BE	11-10-064-25W4	BOLLOQUE										80	20	90	
Moderate	2-4	3441-10	06-17-064-26W4	BE	16-23-064-26W4	BOLLOQUE										80	40	60	
Moderate	2-4	18841-4	16-22-064-26W4	BE	01-22-064-26W4	BOLLOQUE										80	20	90	
Moderate	2-4	19672-9	08-06-064-26W4	BE	10-10-064-26W4	FRENCH										160	40	60	
Moderate	2-4	12745-31	14-24-064-27W4	BE	13-05-064-26W4	FRENCH										160	40	60	
Moderate	2-4	8089-10	13-20-063-01W6	WE	12-25-063-02W6	KARR	60									160	20	90	
Moderate	2-4	18575-36	07-10-063-01W6	WE	06-16-063-01W6	LATORNEL	30						20			160	20	90	
Moderate	2-4	15279-39	06-10-063-01W6	BE	12-10-063-01W6	LATORNEL										20	10	90	
Moderate	2-4	27862-83	06-27-063-01W6	WE	11-22-063-01W6	LATORNEL	60									80	20	90	
Moderate	2-4	22769-91	01-19-063-01W6	WE	09-19-063-01W6	KARR	60	60						90	30	40	15	90	
Moderate	2-4	12283-115	16-03-063-01W6	WE	01-10-063-01W6	LATORNEL	90									20	10	90	
Moderate	2-4	18874-130	06-16-063-01W6	PL	09-19-063-01W6	ELMWORTH	60	60				4		90	30	80	20	90	
Moderate	2-4	5992-131	16-15-063-01W6	WE	15-15-063-01W6	LATORNEL	90									60	15	90	
Moderate	2-4	20817-8	14-24-063-02W5	BE	07-20-063-01W5	JARVIE										160	20	90	
Moderate	2-4	27862-17	09-34-063-02W6	PL	12-35-063-02W6	KARR	60	60				4		90	30	20	10	90	
Moderate	2-4	24267-64	10-35-063-02W6	WE	02-35-063-02W6	KARR	60									60	15	90	
Moderate	2-4	23668-109	09-25-063-02W6	WE	12-25-063-02W6	SIMONETTE	90									60	15	90	
Moderate	2-4	17985-5	06-36-063-02W6	WE	04-31-063-01W6	KARR	30									40	20	90	
Moderate	2-4	23656-2	16-20-063-09W4	PL	08-17-063-09W4	SUGDEN	60									160	20	90	
Moderate	2-4	8123-8	04-24-063-12W6	BE	07-13-063-12W6	NARRAWAY										80	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-4	25852-2	07-12-063-12W6	BE	10-12-063-12W6	NARRAWAY										20	10	90	
Moderate	2-4	18374-4	06-28-063-13W6	WE	10-28-063-13W6	NARRAWAY	90									60	15	90	
Moderate	2-4	8810-2	13-20-063-14W4	BE	11-28-063-15W4	CRAIGEND										320	40	60	
Moderate	2-4	21745-50	16-15-063-15W4	BE	06-22-063-15W4	FIGURE LAKE										40	20	90	
Moderate	2-4	6419-8	15-17-063-20W5	BE	13-34-063-21W5	KAYBOB										320	40	60	
Moderate	2-4	9985-10	15-17-063-20W5	BE	13-36-062-20W5	KAYBOB										80	40	60	
Moderate	2-4	4164-10	10-10-063-20W5	BE	09-09-063-20W5	KAYBOB										80	20	90	
Moderate	2-4	17975-10	11-16-063-20W5	PL	15-26-063-21W5	KAYBOB	30									80	40	60	
Moderate	2-4	7853-13	01-20-063-22W4	BE	01-21-063-22W4	MEANOOK						20				40	20	90	
Moderate	2-4	12775-4	14-14-063-22W4	BE	03-23-063-22W4	MEANOOK										20	10	90	
Moderate	2-4	13713-13	06-05-063-22W5	PL	06-17-063-22W5	WASKAHIGAN	60									160	20	90	
Moderate	2-4	4682-37	03-32-063-22W5	WE	07-31-063-22W5	WASKAHIGAN	60									80	20	90	
Moderate	2-4	5761-42	06-03-063-24W5	WE	06-14-063-24W5	WASKAHIGAN	30	60				4		90	30	40	20	90	
Moderate	2-4	3638-94	16-04-063-24W5	BE	08-04-063-24W5	WASKAHIGAN										40	15	90	
Moderate	2-4	1819-128	06-21-063-24W5	BE	10-16-063-24W5	WASKAHIGAN										40	20	90	
Moderate	2-4	1853-19	10-27-063-24W5	PL	16-27-063-24W5	WASKAHIGAN	60									60	15	90	
Moderate	2-4	17824-5	04-07-063-24W5	PL	15-09-063-24W5	WASKAHIGAN	30						20			160	20	90	
Moderate	2-4	2007-9	10-23-063-25W4	BE	11-10-064-25W4	BOLLOQUE										160	40	60	
Moderate	2-4	27153-7	05-35-063-27W4	BE	16-36-063-27W4	FRENCH										80	20	90	
Moderate	2-4	13731-7	07-13-062-03W5	BE	06-24-062-03W5	VEGA										40	20	90	
Moderate	2-4	17427-14	07-15-062-09W4	PL	16-23-062-09W4	SUGDEN	30	60						90	30	40	20	90	
Moderate	2-4	8350-28	14-10-062-10W6	WE	10-08-062-10W6	PALLISER	60						20			160	20	90	
Moderate	2-4	12525-22	07-23-062-11W6	WE	06-24-062-11W6	NARRAWAY	60									80	20	90	
Moderate	2-4	24703-43	06-03-062-12W6	BE	10-12-063-12W6	NARRAWAY										160	50	60	
Moderate	2-4	42664-1	12-09-062-12W6	BE	06-03-062-12W6	NARRAWAY										40	20	90	
Moderate	2-4	1237-84	15-11-062-14W4	BE	07-14-062-14W4	CRAIGEND										40	15	90	
Moderate	2-4	9927-75	04-01-062-14W4	BE	07-01-063-14W4	CORRIN										320	50	60	
Moderate	2-4	19381-40	11-28-062-15W4	BE	12-30-062-15W4	CRAIGEND										40	20	90	
Moderate	2-4	16781-44	08-34-062-15W4	BE	11-28-062-15W4	CRAIGEND										40	20	90	
Moderate	2-4	20563-57	09-14-062-15W4	WE	06-16-062-15W4	CRAIGEND	60	60						90	30	40	20	90	
Moderate	2-4	5561-1	02-20-062-19W4	BE	09-17-062-19W4	NEWBROOK										160	20	90	
Moderate	2-4	4289-9	07-07-062-22W5	CS	11-07-062-22W5	GRIZZLY	90									60	15	90	
Moderate	2-4	36893-1	13-13-062-22W5	WE	14-14-062-22W5	WASKAHIGAN	30									80	20	90	
Moderate	2-4	25086-25	05-01-062-23W5	WE	15-01-062-23W5	GRIZZLY	30	60						90	60	80	20	90	
Moderate	2-4	26089-30	15-13-062-23W5	WE	05-13-062-23W5	GRIZZLY	30	60						90	60	80	20	90	
Moderate	2-4	26758-31	08-10-062-23W5	WE	15-11-062-23W5	GRIZZLY	60									80	20	90	
Moderate	2-4	32779-40	15-01-062-23W5	PL	06-20-062-22W5	WASKAHIGAN	30	60				4				80	40	60	
Moderate	2-4	6140-146	14-21-062-25W5	BE	08-35-062-25W5	SIMONETTE										160	40	60	
Moderate	2-4	19213-3	16-01-062-26W4	BE	09-01-062-26W4	DAPP										20	10	90	
Moderate	2-4	17396-21	13-01-061-10W6	WE	03-11-061-10W6	LYNX	30									80	20	90	
Moderate	2-4	1148-1	05-08-061-16W4	CS	03-01-061-17W4	EDWARD	60	60				4		90	30	40	20	90	
Moderate	2-4	32364-7	01-10-061-22W5	BE	06-22-061-22W5	BIGSTONE										160	20	90	
Moderate	2-4	12460-14	01-10-061-23W5	BE	08-03-061-23W5	PLACID										160	20	90	
Moderate	2-4	29099-33	06-36-061-23W5	BE	10-35-061-23W5	GRIZZLY										80	20	90	
Moderate	2-4	20428-6	12-09-061-24W4	BE	09-09-061-24W4	NESTOW										40	20	90	
Moderate	2-4	11282-1	06-19-061-25W4	BE	06-30-061-25W4	WESTLOCK										80	20	90	
Moderate	2-4	23201-1	08-25-061-26W4	BE	11-14-061-26W4	WESTLOCK										160	20	90	
Moderate	2-4	11467-1	13-12-061-26W4	BE	11-14-061-26W4	WESTLOCK										80	20	90	
Moderate	2-4	9482-25	13-23-061-27W4	BE	10-08-061-26W4	WESTLOCK										160	40	60	
Moderate	2-4	10751-23	14-08-060-09W4	BE	11-17-060-09W4	SUGDEN										80	20	90	
Moderate	2-4	4735-7	09-16-060-11W4	WE	02-04-060-11W4	ASHMONT	60	60				4		90	30	40	20	90	
Moderate	2-4	8634-13	09-17-060-11W4	WE	08-16-060-11W4	ASHMONT	60									80	20	90	
Moderate	2-4	15651-96	01-26-060-14W4	BE	07-25-060-14W4	BELLIS										80	20	90	
Moderate	2-4	24069-3	01-24-060-22W5	BE	06-19-060-21W5	KAYBOB SOUTH										60	15	90	
Moderate	2-4	40882-3	10-15-060-22W5	BE	01-09-060-22W5	KAYBOB SOUTH										160	20	90	
Moderate	2-4	4395-32	06-34-060-24W5	WE	05-35-060-24W5	PLACID	30									80	20	90	
Moderate	2-4	16583-13	08-22-060-26W4	BE	06-23-060-26W4	WESTLOCK										60	15	90	
Moderate	2-4	23409-1	06-01-060-26W4	BE	13-24-060-26W4	WESTLOCK										320	40	60	
Moderate	2-4	27173-1	02-11-060-26W4	BE	08-11-060-26W4	WESTLOCK										60	15	90	
Moderate	2-4	21476-8	03-26-059-01W6	WE	11-23-059-01W6	PROVOST	60									40	20	90	
Moderate	2-4	30579-1	04-09-059-03W6	WE	01-03-059-03W6	SMOKY	60					20				160	20	90	
Moderate	2-4	4987-2	11-19-059-06W4	BE	16-19-059-06W4	LINDBERGH										40	15	90	
Moderate	2-4	11769-7	13-05-059-06W4	WE	15-17-059-06W4	STEVE	60	60						90	30	40	20	90	
Moderate	2-4	1941-2	06-31-059-08W5	BE	10-25-059-09W5	GREENCOURT										160	20	90	
Moderate	2-4	4901-8	02-18-059-08W5	BE	03-18-059-08W5	GREENCOURT										20	10	90	
Moderate	2-4	10599-3	04-20-059-08W5	BE	10-24-059-09W5	GREENCOURT										160	20	90	
Moderate	2-4	16023-8	15-16-059-08W5	BE	02-21-059-08W5	GREENCOURT										40	15	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-4	20006-2	02-21-059-08W5	PL	06-21-059-08W5	GREENCOURT	60	60				5		90	30	20	10	90	
Moderate	2-4	8990-5	07-23-059-09W5	BE	10-26-059-09W5	GREENCOURT										160	20	90	
Moderate	2-4	15956-3	06-13-059-09W5	BE	07-13-059-09W5	GREENCOURT										120	15	90	
Moderate	2-4	17984-1	07-23-059-09W5	BE	01-26-059-09W5	GREENCOURT										160	20	90	
Moderate	2-4	6946-1	12-26-059-09W5	BE	10-26-059-09W5	GREENCOURT										40	15	90	
Moderate	2-4	39486-1	01-27-059-09W5	WE	01-26-059-09W5	GREENCOURT	30									80	20	90	
Moderate	2-4	11212-2	06-26-059-09W5	BE	04-26-059-09W5	GREENCOURT										60	15	90	
Moderate	2-4	10005-44	12-08-059-11W4	WE	15-09-059-11W4	CACHE	60	60						60	90	160	20	90	
Moderate	2-4	10191-21	14-27-059-13W4	PL	01-32-059-13W4	CLAY	60	60				4		90	30	40	20	90	
Moderate	2-4	53959-3	03-28-059-15W4	BE	11-04-060-15W4	BELLIS										80	20	90	
Moderate	2-4	6134-19	05-19-059-16W4	PL	03-15-059-16W4	BELLIS	30	60				4				80	40	60	
Moderate	2-4	27762-1	10-22-059-16W5	BE	16-27-059-16W5	WINDFALL										80	20	90	
Moderate	2-4	17567-1	09-07-059-19W5	WE	11-13-059-20W5	KAYBOB SOUTH	60									160	20	90	
Moderate	2-4	5211-1	11-13-059-20W5	WE	03-12-059-20W5	KAYBOB SOUTH	30									160	20	90	
Moderate	2-4	48564-7	01-05-059-26W5	WE	06-04-059-26W5	LELAND	60									40	20	90	
Moderate	2-4	42917-21	15-03-059-26W5	WE	04-02-059-26W5	LELAND	60									80	20	90	
Moderate	2-4	10729-32	14-05-059-26W5	WE	13-04-059-26W5	LELAND	30									80	20	90	
Moderate	2-4	30579-10	11-30-058-02W6	WE	07-36-058-03W6	SMOKY	60									160	20	90	
Moderate	2-4	21769-1	11-19-058-02W6	WE	01-30-058-02W6	SMOKY	60									80	20	90	
Moderate	2-4	30751-5	03-21-058-02W6	WE	10-16-058-02W6	SMOKY	60									80	20	90	
Moderate	2-4	6685-9	05-22-058-02W6	WE	10-16-058-02W6	SMOKY	60									80	20	90	
Moderate	2-4	23112-17	15-26-058-03W6	WE	08-35-058-03W6	SMOKY	60									80	20	90	
Moderate	2-4	8365-3	11-23-058-06W4	BE	11-07-058-05W4	WAYNE-ROSDALE										80	40	60	
Moderate	2-4	22005-4	10-33-058-09W5	BE	05-12-059-09W5	GREENCOURT										80	20	90	
Moderate	2-4	12322-5	04-34-058-09W5	BE	10-33-058-09W5	GREENCOURT										80	20	90	
Moderate	2-4	5868-7	11-34-058-09W5	BE	03-03-059-09W5	GREENCOURT										160	20	90	
Moderate	2-4	38171-1	16-28-058-09W5	BE	10-27-058-09W5	GREENCOURT										80	20	90	
Moderate	2-4	27622-2	11-25-058-15W4	PL	10-05-059-14W4	WHITFORD	30	60						90	30	40	20	90	
Moderate	2-4	24679-6	16-22-058-23W5	BE	06-23-058-23W5	SUNDANCE										80	20	90	
Moderate	2-4	10779-37	09-08-058-23W5	WE	08-09-058-23W5	SUNDANCE	60									160	20	90	
Moderate	2-4	29621-7	06-30-058-25W5	BE	14-23-058-26W5	LELAND										160	20	90	
Moderate	2-4	30656-1	11-23-058-26W5	BE	14-23-058-26W5	LELAND										60	15	90	
Moderate	2-4	29364-5	15-36-058-26W5	WE	16-35-058-26W5	LELAND	30									40	20	90	
Moderate	2-4	27093-18	13-18-057-05W6	BE	02-24-057-06W6	MINNOW										80	20	90	
Moderate	2-4	22798-6	01-14-057-06W4	WE	06-14-057-06W4	SILER	30									80	20	90	
Moderate	2-4	6773-2	10-34-057-06W6	WE	05-26-057-06W6	FINDLEY	60									160	20	90	
Moderate	2-4	23222-3	15-33-057-06W6	WE	10-34-057-06W6	FINDLEY	60									160	20	90	
Moderate	2-4	14836-11	09-22-057-06W6	WE	03-23-057-06W6	FINDLEY	60									80	20	90	
Moderate	2-4	27093-12	15-23-057-06W6	WE	15-23-057-06W6	FINDLEY	60									20	10	90	
Moderate	2-4	32254-15	16-23-057-06W6	WE	09-23-057-06W6	FINDLEY	60									20	10	90	
Moderate	2-4	25000-1	11-26-057-06W6	WE	05-26-057-06W6	FINDLEY	60									20	10	90	
Moderate	2-4	5257-17	03-24-057-07W4	PL	12-19-057-06W4	SILER	30									80	20	90	
Moderate	2-4	2530-4	11-35-057-10W4	WE	10-29-057-10W4	ST PAUL	60					4				80	40	60	
Moderate	2-4	15051-1	16-30-057-22W5	WE	14-31-057-22W5	SUNDANCE	30									160	20	90	
Moderate	2-4	12998-4	11-20-057-22W5	WE	16-30-057-22W5	SUNDANCE	60	60						60	60	160	20	90	
Moderate	2-4	25997-7	11-23-057-22W5	PL	11-20-057-22W5	SUNDANCE	30					20				80	40	60	
Moderate	2-4	12998-11	03-20-057-22W5	WE	12-20-057-22W5	SUNDANCE	30									80	20	90	
Moderate	2-4	25746-1	11-14-057-23W5	WE	05-14-057-23W5	WILD RIVER	60									40	15	90	
Moderate	2-4	21942-1	07-11-057-23W5	WE	14-01-057-23W5	WILD RIVER	30									80	20	90	
Moderate	2-4	25740-2	07-12-057-23W5	WE	14-01-057-23W5	WILD RIVER	30									80	20	90	
Moderate	2-4	40533-2	02-02-057-23W5	WE	11-02-057-23W5	WILD RIVER	30									40	20	90	
Moderate	2-4	13093-5	08-30-057-24W5	BE	04-29-057-24W5	WILD RIVER										80	15	90	
Moderate	2-4	25105-8	15-16-057-24W5	WE	16-15-057-24W5	WILD RIVER	30									160	20	90	
Moderate	2-4	9305-10	13-20-057-24W5	BE	08-30-057-24W5	WILD RIVER										80	20	90	
Moderate	2-4	49811-28	08-36-057-24W5	WE	12-36-057-24W5	WILD RIVER	60									80	20	90	
Moderate	2-4	24632-37	13-29-057-24W5	WE	15-29-057-24W5	WILD RIVER	30									40	20	90	
Moderate	2-4	14231-84	08-26-057-24W5	WE	05-26-057-24W5	WILD RIVER	30									40	20	90	
Moderate	2-4	38221-1	14-03-057-26W5	BE	11-03-057-26W5	WILD RIVER										20	10	90	
Moderate	2-4	37563-32	06-01-057-27W5	PL	07-02-057-27W5	WILD RIVER	30									80	20	90	
Moderate	2-4	11940-10	08-31-056-01W4	BE	12-26-056-02W4	LINDBERGH										160	40	60	
Moderate	2-4	13806-1	12-15-056-01W6	WE	02-35-056-01W6	OLSON	30						20			160	40	60	
Moderate	2-4	2369-65	07-08-056-08W4	WE	11-17-056-08W4	ELIZA	60	60								40	20	90	
Moderate	2-4	15123-39	12-05-056-21W5	WE	12-29-055-21W5	SUNDANCE	30	60						90	30	80	40	60	
Moderate	2-4	8360-3	04-29-056-22W5	WE	03-30-056-22W5	WILD RIVER	30									80	20	90	
Moderate	2-4	18638-5	02-30-056-23W5	BE	15-19-056-23W5	WILD RIVER										60	15	90	
Moderate	2-4	27387-7	03-29-056-23W5	WE	14-20-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-4	14811-1	02-20-056-23W5	WE	11-20-056-23W5	WILD RIVER	60									60	15	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-4	33431-2	13-20-056-23W5	PL	11-20-056-23W5	WILD RIVER	90									80	15	90	
Moderate	2-4	35970-3	10-20-056-23W5	WE	11-20-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-4	39645-1	16-31-056-23W5	WE	08-31-056-23W5	WILD RIVER	30									80	20	90	
Moderate	2-4	20959-10	09-36-056-24W5	BE	14-31-056-23W5	WILD RIVER										40	20	90	
Moderate	2-4	23613-1	07-23-056-24W5	WE	13-13-056-24W5	WILD RIVER	60									80	20	90	
Moderate	2-4	25136-2	02-29-056-24W5	WE	07-23-056-24W5	WILD RIVER	30									160	40	60	
Moderate	2-4	36747-26	03-17-056-27W5	WE	09-08-056-27W5	WILD RIVER	30					20				80	20	90	
Moderate	2-4	22421-10	12-11-056-27W5	WE	06-10-056-27W5	WILD RIVER	30									80	20	90	
Moderate	2-4	26652-18	10-15-056-27W5	PL	15-13-056-27W5	WILD RIVER	30									160	20	90	
Moderate	2-4	11671-6	11-26-055-04W6	WE	11-27-055-04W6	CABIN CREEK	60									160	20	90	
Moderate	2-4	26934-7	16-35-055-04W6	WE	16-27-055-04W6	CABIN CREEK	30									160	20	90	
Moderate	2-4	23792-8	04-35-055-04W6	BE	04-35-055-04W6	CABIN CREEK										20	10	90	
Moderate	2-4	39550-7	11-03-055-11W4	BE	06-22-054-11W4	DUVERNAY										80	40	60	
Moderate	2-4	5377-9	11-30-055-21W5	WE	03-30-055-21W5	WILD RIVER	60									40	15	90	
Moderate	2-4	7057-43	01-06-055-21W5	WE	16-06-055-21W5	SUNDANCE	60									80	20	90	
Moderate	2-4	39541-5	10-09-055-22W5	WE	14-32-054-22W5	SUNDANCE	30									160	20	90	
Moderate	2-4	19974-12	12-12-055-22W5	PL	09-10-055-22W5	SUNDANCE	60									160	20	90	
Moderate	2-4	41384-2	02-12-055-22W5	WE	04-12-055-22W5	SUNDANCE	30									80	20	90	
Moderate	2-4	33093-1	15-20-055-23W5	BE	12-32-055-23W5	WILD RIVER										160	40	60	
Moderate	2-4	5325-2	10-17-055-23W5	BE	03-21-055-23W5	WILD RIVER										80	20	90	
Moderate	2-4	4944-4	11-21-055-23W5	WE	04-21-055-23W5	WILD RIVER	30									80	20	90	
Moderate	2-4	14834-10	15-20-055-23W5	PL	03-21-055-23W5	WILD RIVER	60									80	20	90	
Moderate	2-4	30452-6	06-23-055-23W5	WE	01-21-055-23W5	WILD RIVER	30									160	20	90	
Moderate	2-4	6124-14	02-33-055-25W5	WE	09-29-055-25W5	WILD RIVER	60									80	20	90	
Moderate	2-4	36747-1	16-22-055-26W5	BE	15-24-055-26W5	WILD RIVER										160	20	90	
Moderate	2-4	37563-13	04-22-055-26W5	BE	10-22-055-26W5	WILD RIVER										80	20	90	
Moderate	2-4	9390-30	06-10-055-26W5	WE	12-11-055-26W5	WILD RIVER	60									80	20	90	
Moderate	2-4	26058-3	03-05-054-08W4	WE	07-35-053-09W4	BEAUVALLON	60	60			4		90	30		40	20	90	
Moderate	2-4	15728-6	10-20-054-08W4	PL	06-31-054-08W4	BEAUVALLON	30	60			4		90	30		40	20	90	
Moderate	2-4	5370-33	09-06-054-12W4	WE	07-04-054-12W4	PLAIN	60	60			5		90	30		40	20	90	
Moderate	2-4	27082-17	11-10-054-17W5	WE	10-02-054-17W5	EDSON	30									160	20	90	
Moderate	2-4	2577-138	06-13-054-22W5	BE	13-24-054-22W5	SUNDANCE										40	20	90	
Moderate	2-4	909-151	14-32-054-22W5	CS	13-27-054-22W5	SUNDANCE	60									80	20	90	
Moderate	2-4	27476-1	11-26-054-22W5	WE	13-26-054-22W5	SUNDANCE	60									20	10	90	
Moderate	2-4	39133-3	14-32-054-22W5	PL	13-27-054-22W5	SUNDANCE	60									160	20	90	
Moderate	2-4	17981-1	13-27-054-22W5	PL	14-27-054-22W5	SUNDANCE	60									60	15	90	
Moderate	2-4	13106-20	04-36-053-09W4	BE	07-35-053-09W4	BEAUVALLON										40	20	90	
Moderate	2-4	22077-1	10-33-053-17W5	BE	06-31-053-17W5	EDSON										160	20	90	
Moderate	2-4	10295-5	11-26-053-19W5	WE	01-21-053-19W5	EDSON	30									80	20	90	
Moderate	2-4	28703-7	01-21-053-19W5	PL	10-16-053-19W5	EDSON	60					14				40	15	90	
Moderate	2-4	14439-43	01-11-053-20W5	PL	15-02-053-20W5	EDSON	60									60	15	90	
Moderate	2-4	7723-45	04-14-053-20W5	PL	03-14-053-20W5	ANSELL	60	60			4		90	30		40	15	90	
Moderate	2-4	7723-106	09-30-053-20W5	PL	09-20-053-20W5	EDSON	60									160	20	90	
Moderate	2-4	9030-1	13-28-053-20W5	WE	10-28-053-20W5	ANSELL	30									80	20	90	
Moderate	2-4	16946-2	13-16-053-20W5	PL	14-14-053-20W5	ANSELL	60					20				160	20	90	
Moderate	2-4	28543-48	08-07-053-21W5	WE	08-05-053-21W5	MEDICINE LODGE	30									160	20	90	
Moderate	2-4	22498-65	10-36-053-21W5	PL	12-21-053-20W5	ANSELL	30					20				160	40	60	
Moderate	2-4	27199-126	05-06-053-22W5	WE	04-06-053-22W5	LAMBERT	60									60	15	90	
Moderate	2-4	4029-128	01-30-053-22W5	WE	14-20-053-22W5	SUNDANCE	30									80	20	90	
Moderate	2-4	16790-132	06-27-053-22W5	WE	15-27-053-22W5	SUNDANCE	30									80	20	90	
Moderate	2-4	30693-2	02-28-053-22W5	WE	15-21-053-22W5	SUNDANCE	60									40	15	90	
Moderate	2-4	14103-138	01-14-053-23W5	WE	02-13-053-23W5	DALEHURST	30									40	20	90	
Moderate	2-4	18273-21	07-33-053-23W5	WE	04-34-053-23W5	SUNDANCE	30									80	20	90	
Moderate	2-4	7507-7	06-33-053-24W5	WE	12-03-054-24W5	PEDLEY	60									160	20	90	
Moderate	2-4	36748-11	10-30-053-24W5	WE	06-33-053-24W5	PEDLEY	30									160	20	90	
Moderate	2-4	37743-2	12-35-052-09W4	WE	10-10-053-09W4	BEAUVALLON	60	60			5		90	30		40	20	90	
Moderate	2-4	8136-9	07-27-052-17W5	B	01-10-052-17W5	EDSON	30									160	40	60	
Moderate	2-4	4287-4	13-29-052-19W5	PL	03-32-052-19W5	ANSELL	90					20				60	15	90	
Moderate	2-4	22007-46	05-03-052-19W5	PL	09-04-052-19W5	ANSELL	60	60			4		90	30		40	15	90	
Moderate	2-4	7439-50	13-31-052-19W5	WE	07-36-052-20W5	ANSELL	60									80	20	90	
Moderate	2-4	18522-1	04-07-052-19W5	WE	02-12-052-20W5	ANSELL	60									80	20	90	
Moderate	2-4	19722-33	10-25-052-20W5	PL	01-24-052-20W5	ANSELL	60									80	20	90	
Moderate	2-4	17667-23	12-36-052-20W5	PL	10-35-052-20W5	EDSON	60									40	15	90	
Moderate	2-4	6199-75	01-27-052-20W5	WE	06-23-052-20W5	ANSELL	30									160	20	90	
Moderate	2-4	13948-97	02-35-052-20W5	WE	10-35-052-20W5	EDSON	60									80	20	90	
Moderate	2-4	27255-3	14-16-052-20W5	WE	02-20-052-20W5	ANSELL	30	60						90	60	80	20	90	
Moderate	2-4	5962-6	10-20-052-20W5	WE	02-20-052-20W5	ANSELL	60									160	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	32775-22	09-13-067-13W6	WE	12-07-067-12W6	WAPITI	60								160	20	90		
Moderate	2-3	13313-84	11-29-067-17W4	PL	11-29-067-17W4	ATMORE	60	60			4		90	30	20	10	90		
Moderate	2-3	7556-105	03-09-067-17W4	WE	15-10-067-17W4	ATMORE	30								160	20	90		
Moderate	2-3	10614-114	01-30-067-17W4	PL	01-30-067-17W4	ATMORE	60	60			4		90	30	20	10	90		
Moderate	2-3	8095-115	16-19-067-17W4	PL	16-19-067-17W4	ATMORE	60	60			4		90	30	20	10	90		
Moderate	2-3	4089-13	16-19-067-18W4	BE	07-19-067-18W4	GRASSLAND									60	15	90		
Moderate	2-3	3669-14	04-29-067-18W4	BE	16-19-067-18W4	GRASSLAND									80	20	90		
Moderate	2-3	3460-16	16-18-067-18W4	BE	06-18-067-18W4	GRASSLAND									160	20	90		
Moderate	2-3	13853-27	10-25-067-18W4	BE	07-25-067-18W4	ATMORE									60	15	90		
Moderate	2-3	9148-14	07-02-067-19W4	BE	14-01-067-19W4	GRASSLAND									80	20	90		
Moderate	2-3	4872-17	09-30-067-19W4	WE	08-30-067-19W4	GRASSLAND	60								80	15	90		
Moderate	2-3	9168-27	15-05-067-21W4	BE	07-06-067-21W4	ATHABASCA EAST									80	20	90		
Moderate	2-3	8668-21	15-31-067-22W4	BE	10-12-068-23W4	BAPTISTE									160	20	90		
Moderate	2-3	15713-3	12-23-067-23W4	BE	15-22-067-23W4	BAPTISTE									40	15	90		
Moderate	2-3	24282-2	02-35-067-23W4	BE	15-31-067-22W4	BAPTISTE									160	20	90		
Moderate	2-3	2671-15	14-10-067-26W4	PL	10-09-067-26W4	BIG BEND	30	60			6		90	30	40	20	90		
Moderate	2-3	7933-39	01-21-067-26W4	WE	11-21-067-26W4	BIG BEND	60								80	20	90		
Moderate	2-3	8205-20	16-23-066-01W5	BE	11-23-066-27W4	BIG BEND									160	20	90		
Moderate	2-3	2361-3	11-24-066-02W5	BE	07-34-066-02W5	BIG BEND									160	20	90		
Moderate	2-3	2639-11	10-19-066-02W5	BE	11-28-066-02W5	BIG BEND									80	20	90		
Moderate	2-3	13382-6	16-34-066-02W6	BE	08-03-067-02W6	KARR									60	15	90		
Moderate	2-3	3938-23	11-20-066-03W5	BE	07-28-066-03W5	AKUIINU									160	20	90		
Moderate	2-3	8938-2	16-12-066-03W5	BE	11-24-066-03W5	AKUIINU									160	20	90		
Moderate	2-3	5720-3	11-24-066-03W5	BE	01-36-066-03W5	AKUIINU									160	20	90		
Moderate	2-3	19821-8	06-06-066-03W6	WE	01-01-066-04W6	KARR	90								60	15	90		
Moderate	2-3	36154-20	03-03-066-03W6	PL	07-34-065-03W6	KARR	30	60			4		90	30	80	20	90		
Moderate	2-3	53312-6	08-06-066-03W6	WE	16-31-065-03W6	KARR	30								80	20	90		
Moderate	2-3	4162-20	01-01-066-04W6	PL	15-36-065-04W6	KARR	60	60			4		90	30	40	15	90		
Moderate	2-3	26555-3	16-32-066-04W6	BE	03-05-067-04W6	ELMWORTH									80	20	90		
Moderate	2-3	27279-1	15-30-066-04W6	WE	13-29-066-04W6	ELMWORTH	60								80	15	90		
Moderate	2-3	26846-5	09-08-066-05W4	PL	09-08-066-05W4	LEMING									20	10	90		
Moderate	2-3	7208-5	10-28-066-05W6	BE	05-33-066-05W6	ELMWORTH									40	20	90		
Moderate	2-3	1303-22	02-32-066-05W6	WE	05-33-066-05W6	KARR	60								60	15	90		
Moderate	2-3	6518-23	05-33-066-05W6	PL	10-08-067-05W6	ELMWORTH	60								160	20	90		
Moderate	2-3	11520-6	14-10-066-05W6	WE	06-15-066-05W6	KARR	30	60				18		90	80	20	90		
Moderate	2-3	3840-9	02-23-066-05W6	WE	08-15-066-05W6	KARR	60								80	20	90		
Moderate	2-3	3520-11	08-15-066-05W6	PL	14-15-066-05W6	KARR	60								80	20	90		
Moderate	2-3	15184-108	03-30-066-06W6	PL	03-26-066-07W6	ELMWORTH	30					20			160	20	90		
Moderate	2-3	18092-109	16-32-066-06W6	PL	06-05-067-06W6	ELMWORTH	60								80	20	90		
Moderate	2-3	13246-116	16-32-066-06W6	PL	03-30-066-06W6	ELMWORTH	30					18			160	20	90		
Moderate	2-3	21555-1	11-17-066-06W6	BE	03-30-066-06W6	WAPITI									160	20	90		
Moderate	2-3	33482-2	13-12-066-06W6	WE	11-11-066-06W6	ELMWORTH	30								80	20	90		
Moderate	2-3	30085-12	11-11-066-06W6	PL	09-34-065-06W6	ELMWORTH	60	60							80	20	90		
Moderate	2-3	17066-2	02-20-066-07W6	WE	15-17-066-07W6	WAPITI	60								80	20	90		
Moderate	2-3	28697-16	04-29-066-07W6	PL	03-30-066-07W6	WAPITI	60								80	20	90		
Moderate	2-3	51768-19	13-06-066-07W6	WE	08-01-066-08W6	WAPITI	60								40	15	90		
Moderate	2-3	19249-2	11-33-066-08W6	BE	06-09-067-08W6	WAPITI									320	20	90		
Moderate	2-3	6907-2	08-09-066-08W6	BE	01-08-066-08W6	WAPITI									80	20	90		
Moderate	2-3	22695-3	08-10-066-08W6	BE	08-09-066-08W6	WAPITI									80	20	90		
Moderate	2-3	19694-4	09-02-066-08W6	WE	14-11-066-08W6	WAPITI	60	60					60	60	80	20	90		
Moderate	2-3	44453-22	03-17-066-08W6	BE	06-09-066-08W6	WAPITI									40	20	90		
Moderate	2-3	56462-1	01-23-066-08W6	WE	04-23-066-08W6	WAPITI	60	60			4		90	30	40	20	90		
Moderate	2-3	28939-30	08-07-066-09W6	BE	06-06-066-09W6	KAKWA									80	20	90		
Moderate	2-3	22470-48	01-20-066-09W6	WE	06-17-066-09W6	WAPITI	60								80	20	90		
Moderate	2-3	19406-55	01-18-066-09W6	WE	06-17-066-09W6	WAPITI	60								80	20	90		
Moderate	2-3	11916-60	16-18-066-09W6	WE	01-19-066-09W6	WAPITI	60								60	15	90		
Moderate	2-3	23832-93	05-08-066-09W6	WE	12-08-066-09W6	KAKWA	60								80	20	90		
Moderate	2-3	13618-100	08-07-066-09W6	WE	12-08-066-09W6	WAPITI	60								40	20	90		
Moderate	2-3	26215-101	01-19-066-09W6	PL	14-17-066-09W6	WAPITI	60								80	20	90		
Moderate	2-3	30871-3	04-11-066-09W6	WE	06-11-066-09W6	WAPITI	60								60	15	90		
Moderate	2-3	1777-24	13-17-066-10W5	BE	04-20-066-10W5	SWAN HILLS									40	10	90		
Moderate	2-3	7201-27	06-20-066-10W5	BE	10-20-066-10W5	SWAN HILLS									80	15	90		
Moderate	2-3	8791-28	08-20-066-10W5	BE	10-20-066-10W5	SWAN HILLS									120	15	90		
Moderate	2-3	2525-30	12-20-066-10W5	BE	10-20-066-10W5	SWAN HILLS									160	20	90		
Moderate	2-3	3738-1	14-33-066-10W5	BE	08-33-066-10W5	SWAN HILLS									80	20	90		
Moderate	2-3	6577-10	12-22-066-10W5	BE	12-22-066-10W5	SWAN HILLS									40	10	90		
Moderate	2-3	4570-20	02-21-066-10W5	BE	06-21-066-10W5	SWAN HILLS									80	15	90		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	10293-10	12-26-066-10W5	BE	04-35-066-10W5	SWAN HILLS										80	20	90	
Moderate	2-3	50213-12	08-31-066-10W5	BE	12-32-066-10W5	SWAN HILLS										80	15	90	
Moderate	2-3	38664-19	04-29-066-10W5	BE	09-20-066-10W5	SWAN HILLS										80	20	90	
Moderate	2-3	14059-26	16-19-066-10W5	BE	04-29-066-10W5	SWAN HILLS										120	15	90	
Moderate	2-3	22595-27	02-30-066-10W5	BE	04-29-066-10W5	SWAN HILLS										80	15	90	
Moderate	2-3	21930-27	06-32-066-10W5	BE	02-32-066-10W5	SWAN HILLS										80	15	90	
Moderate	2-3	23617-29	12-29-066-10W5	BE	02-32-066-10W5	SWAN HILLS										80	20	90	
Moderate	2-3	43860-33	14-29-066-10W5	BE	02-32-066-10W5	SWAN HILLS										80	15	90	
Moderate	2-3	9559-36	12-33-066-10W5	BE	02-32-066-10W5	SWAN HILLS										80	20	90	
Moderate	2-3	16869-37	02-31-066-10W5	BE	02-32-066-10W5	SWAN HILLS										80	20	90	
Moderate	2-3	8085-3	05-08-066-10W6	WE	11-08-066-10W6	KAKWA	60									60	15	90	
Moderate	2-3	7991-9	09-33-066-10W6	BE	02-33-066-10W6	WAPITI										60	15	90	
Moderate	2-3	31077-12	09-19-066-10W6	WE	13-20-066-10W6	WAPITI	90									80	15	90	
Moderate	2-3	18202-14	04-33-066-10W6	WE	16-29-066-10W6	WAPITI	60									60	15	90	
Moderate	2-3	35073-15	06-28-066-10W6	WE	16-29-066-10W6	WAPITI	60									40	20	90	
Moderate	2-3	26194-16	03-34-066-10W6	WE	16-28-066-10W6	WAPITI	30									80	20	90	
Moderate	2-3	35073-17	16-29-066-10W6	BE	08-32-066-10W6	WAPITI										60	15	90	
Moderate	2-3	30326-5	10-09-066-10W6	WE	07-09-066-10W6	KAKWA	60									40	15	90	
Moderate	2-3	28542-7	01-17-066-10W6	PL	16-08-066-10W6	WAPITI	90									60	15	90	
Moderate	2-3	34361-19	05-30-066-10W6	BE	11-30-066-10W6	WAPITI										40	15	90	
Moderate	2-3	50234-118	15-32-066-10W6	WE	15-29-066-10W6	WAPITI	60									80	20	90	
Moderate	2-3	16941-3	09-22-066-10W6	WE	01-27-066-10W6	WAPITI	60									40	15	90	
Moderate	2-3	5647-10	04-34-066-10W6	WE	12-27-066-10W6	WAPITI	60									40	20	90	
Moderate	2-3	9793-4	06-25-066-11W5	BE	10-25-066-11W5	SWAN HILLS										120	15	90	
Moderate	2-3	2123-16	08-25-066-11W5	BE	10-25-066-11W5	SWAN HILLS										80	15	90	
Moderate	2-3	6843-18	16-25-066-11W5	BE	10-25-066-11W5	SWAN HILLS										80	15	90	
Moderate	2-3	10501-20	01-36-066-11W5	PL	10-25-066-11W5	SWAN HILLS	60	60			4		90	30		80	20	90	
Moderate	2-3	11327-21	14-36-066-11W5	WE	01-36-066-11W5	SWAN HILLS	30									160	20	90	
Moderate	2-3	34196-2	16-15-066-12W6	WE	07-15-066-12W6	WAPITI	60									60	15	90	
Moderate	2-3	30504-1	03-36-066-12W6	WE	01-36-066-12W6	WAPITI	60									60	15	90	
Moderate	2-3	38381-71	03-19-066-12W6	WE	01-19-066-12W6	WAPITI	60									60	15	90	
Moderate	2-3	23154-3	12-12-066-13W6	WE	10-14-066-13W6	WAPITI	60									160	20	90	
Moderate	2-3	17738-1	13-15-066-13W6	WE	10-15-066-13W6	WAPITI	60									80	20	90	
Moderate	2-3	22577-86	11-35-066-13W6	WE	06-35-066-13W6	WAPITI	60									60	15	90	
Moderate	2-3	37816-94	06-28-066-13W6	WE	11-27-066-13W6	WAPITI	30									80	20	90	
Moderate	2-3	53056-108	10-23-066-13W6	WE	03-26-066-13W6	ELMWORTH	30									40	20	90	
Moderate	2-3	9595-113	10-22-066-13W6	WE	03-26-066-13W6	WAPITI	60									80	20	90	
Moderate	2-3	9618-23	04-36-066-15W4	BE	11-25-066-15W4	HYLO										40	15	90	
Moderate	2-3	10135-27	15-36-066-15W4	BE	04-36-066-15W4	HYLO										80	20	90	
Moderate	2-3	10031-30	10-04-066-15W4	BE	07-04-066-15W4	HYLO										40	15	90	
Moderate	2-3	3929-35	03-35-066-15W4	BE	10-26-066-15W4	HYLO										60	15	90	
Moderate	2-3	8894-37	08-11-066-15W4	BE	02-13-066-15W4	HYLO										160	20	90	
Moderate	2-3	1861-40	11-25-066-15W4	BE	16-25-066-15W4	HYLO										40	20	90	
Moderate	2-3	6291-15	14-33-066-18W4	PL	10-34-066-18W4	ATMORE	60									160	20	90	
Moderate	2-3	6948-25	09-02-066-20W4	WE	11-12-066-20W4	FLAT	60									80	20	90	
Moderate	2-3	37555-2	13-16-066-20W4	WE	07-15-066-20W4	FLAT	60									160	20	90	
Moderate	2-3	27039-5	04-23-066-20W4	WE	09-14-066-20W4	FLAT	30									160	20	90	
Moderate	2-3	3801-25	06-30-066-21W4	BE	05-30-066-21W4	ATHABASCA EAST										80	15	90	
Moderate	2-3	10174-34	05-30-066-21W4	BE	01-26-066-22W4	ATHABASCA EAST										160	20	90	
Moderate	2-3	8625-5	13-32-066-21W4	BE	14-29-066-21W4	ATHABASCA EAST										80	20	90	
Moderate	2-3	12164-11	05-20-066-21W4	BE	07-20-066-21W4	ATHABASCA EAST										60	15	90	
Moderate	2-3	14448-1	05-29-066-21W4	BE	08-36-066-22W4	ATHABASCA EAST										40	20	90	
Moderate	2-3	16486-15	07-14-066-22W5	BE	10-11-066-22W5	GIROUX LAKE										80	20	90	
Moderate	2-3	3816-19	05-05-066-22W5	BE	03-32-065-22W5	GIROUX LAKE										160	20	90	
Moderate	2-3	4716-35	05-05-066-22W5	BE	11-32-065-22W5	GIROUX LAKE										80	20	90	
Moderate	2-3	22501-23	12-13-066-22W5	BE	07-14-066-22W5	GIROUX LAKE										80	20	90	
Moderate	2-3	14722-29	09-11-066-23W5	BE	06-02-066-23W5	ANTE CREEK NORTH										160	20	90	
Moderate	2-3	18194-6	02-12-066-26W4	BE	06-11-066-26W4	BIG BEND										160	20	90	
Moderate	2-3	5152-8	06-14-066-27W4	BE	06-23-066-27W4	BIG BEND										80	20	90	
Moderate	2-3	7383-12	10-16-065-02W6	BE	11-10-065-02W6	KARR										40	20	90	
Moderate	2-3	12684-89	10-29-065-02W6	WE	06-29-065-02W6	KARR	90									40	15	90	
Moderate	2-3	22888-3	02-13-065-02W6	BE	06-13-065-02W6	KARR										40	15	90	
Moderate	2-3	14577-82	07-04-065-03W6	WE	06-02-065-03W6	KARR	60	60				18	60	60		160	20	90	
Moderate	2-3	7383-83	08-10-065-03W6	WE	06-12-065-03W6	KARR	60									160	20	90	
Moderate	2-3	4543-90	13-04-065-03W6	BE	07-04-065-03W6	KARR										80	20	90	
Moderate	2-3	3975-93	02-12-065-03W6	BE	06-12-065-03W6	KARR										60	15	90	
Moderate	2-3	2839-96	07-13-065-03W6	WE	10-13-065-03W6	KARR	60									60	15	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	40939-9	13-34-065-03W6	WE	05-34-065-03W6	KARR	60	60				4		90	30	80	20	90	
Moderate	2-3	12228-14	14-27-065-03W6	WE	05-34-065-03W6	KARR	60									80	20	90	
Moderate	2-3	41471-19	01-34-065-03W6	B	01-28-065-03W6	KARR	30	60				5		90	30	160	20	90	
Moderate	2-3	40121-7	16-31-065-03W6	WE	10-31-065-03W6	KARR	60	60				12		90	30	80	15	90	
Moderate	2-3	23347-64	08-33-065-04W5	BE	02-34-065-04W5	DEEP										80	20	90	
Moderate	2-3	11384-97	07-36-065-04W6	WE	07-36-065-04W6	KARR	60	60						90	30	20	10	90	
Moderate	2-3	23290-2	09-34-065-04W6	WE	11-35-065-04W6	KARR	60									60	15	90	
Moderate	2-3	48365-12	16-35-065-04W6	WE	13-36-065-04W6	KARR	60	60				10		90	30	80	15	90	
Moderate	2-3	26242-19	07-31-065-05W4	WE	10-32-065-05W4	LEMING	60									160	20	90	
Moderate	2-3	29270-1	08-28-065-05W6	WE	09-33-065-05W6	KARR	30									160	20	90	
Moderate	2-3	31779-2	13-21-065-05W6	BE	08-28-065-05W6	KARR										80	20	90	
Moderate	2-3	11428-2	14-29-065-05W6	WE	07-32-065-05W6	KARR	90									60	15	90	
Moderate	2-3	8535-5	11-22-065-07W6	BE	06-27-065-07W6	WAPITI										80	20	90	
Moderate	2-3	49336-11	04-18-065-07W6	WE	10-18-065-07W6	WAPITI	60									80	20	90	
Moderate	2-3	20328-3	07-19-065-07W6	WE	16-18-065-07W6	WAPITI	90									60	15	90	
Moderate	2-3	49690-17	14-09-065-07W6	WE	08-07-065-07W6	WAPITI	30									80	20	90	
Moderate	2-3	9034-29	15-05-065-07W6	WE	07-08-065-07W6	WAPITI	60									80	20	90	
Moderate	2-3	6776-34	12-06-065-07W6	WE	09-01-065-08W6	WAPITI	60									40	15	90	
Moderate	2-3	46302-36	12-30-065-07W6	WE	08-25-065-08W6	WAPITI	90									60	15	90	
Moderate	2-3	14639-7	07-14-065-08W6	WE	01-22-065-08W6	WAPITI	60									80	20	90	
Moderate	2-3	34046-12	08-23-065-08W6	PL	06-23-065-08W6	WAPITI	60									60	15	90	
Moderate	2-3	21448-15	03-07-065-08W6	WE	04-06-065-08W6	WAPITI	30									80	20	90	
Moderate	2-3	20087-19	07-18-065-08W6	WE	07-17-065-08W6	WAPITI	60									80	20	90	
Moderate	2-3	32684-20	09-16-065-08W6	WE	16-16-065-08W6	WAPITI	60									60	15	90	
Moderate	2-3	10213-21	03-20-065-08W6	WE	07-20-065-08W6	WAPITI	60									60	15	90	
Moderate	2-3	31322-23	01-27-065-08W6	WE	03-26-065-08W6	WAPITI	90									60	15	90	
Moderate	2-3	31322-33	02-19-065-08W6	WE	03-20-065-08W6	WAPITI	30									160	20	90	
Moderate	2-3	24172-35	03-15-065-08W6	WE	10-15-065-08W6	WAPITI	90									60	15	90	
Moderate	2-3	13277-36	02-09-065-08W6	WE	11-09-065-08W6	WAPITI	60									60	15	90	
Moderate	2-3	13618-57	14-11-065-08W6	WE	07-14-065-08W6	WAPITI	60									80	20	90	
Moderate	2-3	21448-59	12-17-065-08W6	WE	07-17-065-08W6	WAPITI	60									80	20	90	
Moderate	2-3	20087-67	04-34-065-08W6	WE	06-34-065-08W6	WAPITI	60									80	15	90	
Moderate	2-3	10894-69	10-29-065-08W6	WE	03-29-065-08W6	WAPITI	60									80	20	90	
Moderate	2-3	27236-88	08-23-065-08W6	BE	02-24-065-08W6	WAPITI										80	20	90	
Moderate	2-3	33301-96	12-32-065-08W6	WE	05-31-065-08W6	WAPITI	60									80	20	90	
Moderate	2-3	7340-7	15-13-065-08W6	WE	16-18-065-07W6	WAPITI	60									160	20	90	
Moderate	2-3	38962-11	03-10-065-08W6	WE	11-09-065-08W6	WAPITI	30									80	20	90	
Moderate	2-3	7905-26	10-24-065-08W6	WE	01-25-065-08W6	WAPITI	60									60	15	90	
Moderate	2-3	37268-28	15-25-065-08W6	WE	08-25-065-08W6	WAPITI	60									40	15	90	
Moderate	2-3	19198-30	12-10-065-08W6	WE	09-09-065-08W6	WAPITI	60									60	15	90	
Moderate	2-3	8470-31	08-04-065-08W6	WE	04-03-065-08W6	WAPITI	60									60	15	90	
Moderate	2-3	47996-38	08-02-065-08W6	WE	06-02-065-08W6	WAPITI	60									60	15	90	
Moderate	2-3	13552-39	15-12-065-08W6	WE	02-13-065-08W6	WAPITI	30									40	20	90	
Moderate	2-3	28258-26	09-12-065-09W6	WE	01-18-065-08W6	KAKWA	60									160	20	90	
Moderate	2-3	31322-39	03-13-065-09W6	WE	09-12-065-09W6	KAKWA	30									80	20	90	
Moderate	2-3	34046-46	10-04-065-09W6	WE	07-35-064-09W6	KAKWA	60					20				320	20	90	
Moderate	2-3	11916-50	11-02-065-09W6	WE	15-34-064-09W6	WAPITI	60									160	20	90	
Moderate	2-3	28598-71	11-18-065-09W6	BE	08-18-065-09W6	KAKWA										80	20	90	
Moderate	2-3	14980-87	10-13-065-09W6	B	09-13-065-09W6	KAKWA	90									80	15	90	
Moderate	2-3	16001-90	15-03-065-09W6	WE	08-03-065-09W6	WAPITI	60									60	15	90	
Moderate	2-3	7490-92	01-15-065-09W6	WE	12-11-065-09W6	KAKWA	60									80	20	90	
Moderate	2-3	11850-4	10-14-065-09W6	WE	16-14-065-09W6	KAKWA	60									60	15	90	
Moderate	2-3	25923-2	01-08-065-09W6	WE	03-08-065-09W6	KAKWA	60									80	20	90	
Moderate	2-3	12654-28	10-06-065-09W6	WE	03-08-065-09W6	KAKWA	60	60				4		90	30	40	20	90	
Moderate	2-3	10691-21	11-23-065-09W6	WE	07-23-065-09W6	KAKWA	60									40	20	90	
Moderate	2-3	31043-70	15-33-065-10W6	WE	16-33-065-10W6	ELMWORTH	60									60	15	90	
Moderate	2-3	37252-136	07-28-065-10W6	WE	06-28-065-10W6	KAKWA	90									40	15	90	
Moderate	2-3	53620-144	08-03-065-10W6	B	10-34-064-10W6	KAKWA	30									160	20	90	
Moderate	2-3	50798-151	02-11-065-10W6	WE	08-03-065-10W6	KAKWA	60									80	20	90	
Moderate	2-3	6072-2	10-09-065-10W6	WE	10-07-065-10W6	KAKWA	60									80	20	90	
Moderate	2-3	17003-6	05-30-065-10W6	WE	06-28-065-10W6	KAKWA	60	60				4		90	30	80	20	90	
Moderate	2-3	36909-48	14-14-065-11W6	WE	05-30-065-10W6	KAKWA	30									160	20	90	
Moderate	2-3	7130-2	10-02-065-13W6	WE	03-12-065-13W6	CHINOOK RIDGE	30									80	20	90	
Moderate	2-3	32207-2	10-10-065-13W6	WE	16-10-065-13W6	CHINOOK RIDGE	60									60	15	90	
Moderate	2-3	6412-16	07-33-065-15W4	BE	08-33-065-15W4	HYLO										60	15	90	
Moderate	2-3	2792-36	08-21-065-15W4	BE	14-27-065-15W4	BONDISS										160	20	90	
Moderate	2-3	13472-48	05-08-065-15W4	BE	01-12-065-16W4	BONDISS										160	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	17351-31	15-25-065-17W4	BE	07-35-065-17W4	CASLAN										80	20	90	
Moderate	2-3	7022-29	03-29-065-19W4	BE	01-31-065-19W4	FLAT										80	20	90	
Moderate	2-3	3137-39	09-31-065-19W4	BE	11-32-065-19W4	FLAT										80	15	90	
Moderate	2-3	23121-1	06-20-065-20W5	BE	10-18-065-20W5	KAYBOB										80	20	90	
Moderate	2-3	6842-2	12-19-065-20W5	BE	10-18-065-20W5	KAYBOB										160	20	90	
Moderate	2-3	4926-5	07-26-065-21W5	BE	06-25-065-21W5	KAYBOB										60	15	90	
Moderate	2-3	21744-29	07-07-065-21W5	BE	14-06-065-21W5	TONY CREEK NORTH										60	15	90	
Moderate	2-3	20280-41	08-31-065-22W5	WE	02-31-065-22W5	MCKINLEY	60									80	15	90	
Moderate	2-3	3065-46	02-31-065-22W5	PL	01-35-065-23W5	MCKINLEY	60	60								160	20	90	
Moderate	2-3	16035-47	03-32-065-22W5	BE	02-31-065-22W5	MCKINLEY						4			90	30	80	20	90
Moderate	2-3	11596-20	07-01-065-22W5	PL	06-31-064-21W5	MCKINLEY	30									80	20	90	
Moderate	2-3	2192-3	04-19-065-23W5	PL	10-18-065-23W5	ANTE CREEK NORTH	60	60				4			90	30	80	20	90
Moderate	2-3	4385-1	10-18-065-23W5	BE	10-07-065-23W5	ANTE CREEK NORTH										40	20	90	
Moderate	2-3	5695-2	12-05-065-23W5	BE	04-08-065-23W5	ANTE CREEK NORTH										80	15	90	
Moderate	2-3	6316-12	04-05-065-23W5	BE	12-05-065-23W5	ANTE CREEK NORTH										80	15	90	
Moderate	2-3	10611-36	13-15-065-23W5	BE	05-15-065-23W5	ANTE CREEK NORTH										120	15	90	
Moderate	2-3	11555-37	03-22-065-23W5	WE	03-22-065-23W5	ANTE CREEK NORTH	60									120	15	90	
Moderate	2-3	21931-45	01-35-065-23W5	PL	10-34-065-23W5	ANTE CREEK NORTH	60	60				5			90	30	160	20	90
Moderate	2-3	7023-1	02-07-065-23W5	BE	03-07-065-23W5	ANTE CREEK NORTH										80	15	90	
Moderate	2-3	21852-2	10-06-065-23W5	BE	02-07-065-23W5	ANTE CREEK NORTH										60	15	90	
Moderate	2-3	12487-3	04-05-065-23W5	BE	10-06-065-23W5	ANTE CREEK NORTH										80	20	90	
Moderate	2-3	12261-1	04-24-065-24W5	BE	06-18-065-23W5	ANTE CREEK NORTH										320	20	90	
Moderate	2-3	6067-10	10-13-065-24W5	BE	10-18-065-23W5	ANTE CREEK NORTH										160	20	90	
Moderate	2-3	5093-118	13-32-064-01W6	WE	14-32-064-01W6	KARR	90									20	10	90	
Moderate	2-3	25003-1	10-05-064-01W6	PL	06-08-064-01W6	KARR	60									80	20	90	
Moderate	2-3	19174-10	16-07-064-02W5	BE	05-08-064-02W5	JARVIE										80	20	90	
Moderate	2-3	8491-11	05-08-064-02W5	BE	05-04-064-02W5	JARVIE NORTH										160	20	90	
Moderate	2-3	19722-35	16-11-064-02W5	BE	08-09-064-02W5	JARVIE										160	20	90	
Moderate	2-3	9655-54	14-05-064-02W6	BE	07-08-064-02W6	KARR										80	20	90	
Moderate	2-3	4354-72	14-25-064-02W6	WE	04-36-064-02W6	KARR	90									60	15	90	
Moderate	2-3	17228-101	06-24-064-02W6	PL	06-13-064-02W6	KARR	30									160	20	90	
Moderate	2-3	18364-102	13-17-064-02W6	BE	15-18-064-02W6	KARR										60	15	90	
Moderate	2-3	17796-107	15-24-064-02W6	PL	12-36-064-02W6	KARR	60					18				160	20	90	
Moderate	2-3	29960-94	16-14-064-02W6	WE	13-13-064-02W6	KARR	90									20	10	90	
Moderate	2-3	5175-1	09-32-064-02W6	WE	05-33-064-02W6	KARR	60									60	15	90	
Moderate	2-3	8898-84	15-16-064-03W6	WE	15-15-064-03W6	KARR	60									80	20	90	
Moderate	2-3	3975-87	12-23-064-03W6	WE	15-15-064-03W6	KARR	30									160	20	90	
Moderate	2-3	30981-25	07-33-064-08W6	WE	11-33-064-08W6	WAPITI	60									60	15	90	
Moderate	2-3	21789-58	14-32-064-08W6	WE	02-05-065-08W6	WAPITI	60									60	15	90	
Moderate	2-3	25874-106	07-33-064-08W6	BE	10-27-064-08W6	WAPITI										80	20	90	
Moderate	2-3	17831-1	10-05-064-08W6	WE	04-08-064-08W6	KAKWA	90									60	15	90	
Moderate	2-3	22369-1	11-06-064-08W6	BE	04-06-064-08W6	KAKWA										60	15	90	
Moderate	2-3	15192-12	11-33-064-08W6	WE	08-05-065-08W6	WAPITI	30									80	20	90	
Moderate	2-3	35450-18	02-31-064-08W6	WE	04-06-065-08W6	WAPITI	30									80	20	90	
Moderate	2-3	42914-24	06-34-064-08W6	WE	06-02-065-08W6	WAPITI	30									80	20	90	
Moderate	2-3	12256-73	16-25-064-09W6	WE	15-25-064-09W6	KAKWA	60									40	15	90	
Moderate	2-3	22639-1	12-22-064-09W6	WE	13-22-064-09W6	KAKWA	60									60	15	90	
Moderate	2-3	33042-1	07-33-064-09W6	WE	02-33-064-09W6	KAKWA	60									60	15	90	
Moderate	2-3	18341-1	04-23-064-09W6	WE	01-22-064-09W6	KAKWA	60	60							90	30	60	15	90
Moderate	2-3	26743-1	05-13-064-09W6	WE	10-14-064-09W6	KAKWA	30									80	20	90	
Moderate	2-3	33546-1	05-14-064-09W6	BE	04-14-064-09W6	KAKWA										60	15	90	
Moderate	2-3	6789-3	04-14-064-09W6	BE	07-12-064-09W6	KAKWA										160	20	90	
Moderate	2-3	42709-33	12-28-064-09W6	WE	03-33-064-09W6	KAKWA	60	60				4			90	30	40	15	90
Moderate	2-3	18569-9	02-27-064-09W6	WE	03-27-064-09W6	KAKWA	60	60				4			90	30	40	15	90
Moderate	2-3	37700-10	08-28-064-09W6	WE	13-22-064-09W6	KAKWA	60	60							90	30	40	15	90
Moderate	2-3	8718-23	06-06-064-10W4	BE	16-35-063-11W4	CRAIGEND										160	20	90	
Moderate	2-3	29882-1	10-09-064-13W4	BE	10-16-064-13W4	CRAIGEND										80	20	90	
Moderate	2-3	28769-21	07-04-064-13W6	PL	08-33-063-13W6	NARRAWAY	60									80	20	90	
Moderate	2-3	11507-28	02-10-064-13W6	WE	15-03-064-13W6	NARRAWAY	60									60	15	90	
Moderate	2-3	7090-25	12-18-064-15W4	BE	01-07-064-15W4	FIGURE LAKE										80	20	90	
Moderate	2-3	14619-1	06-08-064-15W4	BE	01-07-064-15W4	FIGURE LAKE										40	15	90	
Moderate	2-3	21272-74	07-15-064-16W4	BE	01-23-064-16W4	FIGURE LAKE										160	20	90	
Moderate	2-3	16495-15	07-01-064-17W4	BE	05-06-064-16W4	FIGURE LAKE										40	20	90	
Moderate	2-3	16709-1	11-31-064-21W5	BE	06-31-064-21W5	TONY CREEK NORTH										80	15	90	
Moderate	2-3	20940-1	07-17-064-21W5	BE	06-16-064-21W5	TONY CREEK NORTH										160	20	90	
Moderate	2-3	11021-2	07-02-064-21W5	PL	10-02-064-21W5	TONY CREEK NORTH	60									60	15	90	
Moderate	2-3	36488-1	10-07-064-21W5	BE	15-07-064-21W5	TONY CREEK NORTH										80	15	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	2501-43	04-28-064-23W5	WE	06-20-064-23W5	WASKAHIGAN	30									80	20	90	
Moderate	2-3	7581-126	16-29-064-23W5	WE	10-29-064-23W5	ANTE CREEK NORTH	60	60						90	30	60	15	90	
Moderate	2-3	5155-153	12-18-064-23W5	BE	10-18-064-23W5	WASKAHIGAN										40	15	90	
Moderate	2-3	3831-1	10-32-064-23W5	WE	04-05-065-23W5	ANTE CREEK NORTH	30	60						90	60	160	20	90	
Moderate	2-3	9630-11	01-32-064-23W5	BE	02-32-064-23W5	ANTE CREEK NORTH										40	10	90	
Moderate	2-3	40792-1	07-05-064-23W5	WE	14-05-064-23W5	WASKAHIGAN	60									60	15	90	
Moderate	2-3	7647-16	15-11-064-24W4	BE	07-03-064-24W4	BOLLOQUE										160	20	90	
Moderate	2-3	3108-109	16-23-064-24W5	BE	10-24-064-24W5	WASKAHIGAN										80	20	90	
Moderate	2-3	8794-6	11-10-064-25W4	BE	11-16-064-25W4	BOLLOQUE										160	20	90	
Moderate	2-3	5066-8	12-07-064-25W4	BE	06-18-064-25W4	BOLLOQUE										60	15	90	
Moderate	2-3	8589-27	02-03-064-25W4	BE	15-04-064-25W4	BOLLOQUE										160	20	90	
Moderate	2-3	18290-3	09-24-064-26W4	BE	16-14-064-26W4	BOLLOQUE										160	20	90	
Moderate	2-3	20227-4	03-35-064-27W5	BE	02-26-064-27W5	SIMONETTE										40	20	90	
Moderate	2-3	15372-2	10-04-063-01W5	BE	15-33-062-01W5	JARVIE										80	20	90	
Moderate	2-3	18874-95	03-20-063-01W6	BE	03-20-063-01W6	KARR										20	10	90	
Moderate	2-3	26776-1	11-33-063-02W5	BE	11-26-063-02W5	JARVIE										320	20	90	
Moderate	2-3	17593-3	13-12-063-03W5	BE	07-01-063-03W5	TIMEU										160	20	90	
Moderate	2-3	3983-2	16-14-063-05W4	BE	02-23-063-05W4	LA COREY										60	15	90	
Moderate	2-3	29478-3	05-14-063-05W4	BE	11-14-063-05W4	LA COREY										60	15	90	
Moderate	2-3	18457-5	06-16-063-09W4	WE	08-17-063-09W4	SUGDEN	60	60				4		90	30	40	15	90	
Moderate	2-3	8427-6	11-16-063-11W4	BE	15-20-063-11W4	CRAIGEND										80	20	90	
Moderate	2-3	4795-45	11-16-063-11W4	BE	14-16-063-11W4	CRAIGEND										60	15	90	
Moderate	2-3	5231-48	01-09-063-11W4	BE	14-10-063-11W4	CRAIGEND										80	20	90	
Moderate	2-3	13077-52	14-10-063-11W4	BE	14-16-063-11W4	CRAIGEND										80	20	90	
Moderate	2-3	14553-5	03-18-063-11W6	WE	14-07-063-11W6	NARRAWAY	60									60	15	90	
Moderate	2-3	25384-6	03-18-063-11W6	BE	14-07-063-11W6	NARRAWAY										60	15	90	
Moderate	2-3	9394-19	04-09-063-11W6	PL	04-03-063-11W6	NARRAWAY	30									160	20	90	
Moderate	2-3	44423-7	06-15-063-11W6	BE	14-16-063-11W6	NARRAWAY										40	20	90	
Moderate	2-3	3381-79	11-18-063-12W4	WE	07-18-063-12W4	CRAIGEND	60									40	15	90	
Moderate	2-3	10830-7	14-15-063-12W6	WE	01-22-063-12W6	NARRAWAY	60	60				4		90	30	40	20	90	
Moderate	2-3	25384-9	04-24-063-12W6	WE	14-07-063-11W6	NARRAWAY	30									160	20	90	
Moderate	2-3	32830-10	03-27-063-12W6	WE	01-22-063-12W6	NARRAWAY	30									80	20	90	
Moderate	2-3	32492-14	06-12-063-12W6	WE	14-07-063-11W6	NARRAWAY	30									160	20	90	
Moderate	2-3	22338-15	15-11-063-12W6	PL	06-12-063-12W6	NARRAWAY	60									80	20	90	
Moderate	2-3	48032-1	03-32-063-12W6	WE	07-28-063-12W6	NARRAWAY	30									80	20	90	
Moderate	2-3	31815-23	15-26-063-13W6	BE	08-33-063-13W6	NARRAWAY										80	20	90	
Moderate	2-3	24707-25	08-33-063-13W6	B	08-33-063-13W6	NARRAWAY	90									40	10	90	
Moderate	2-3	33507-40	12-35-063-13W6	BE	12-35-063-13W6	NARRAWAY										20	10	90	
Moderate	2-3	21999-46	14-22-063-13W6	WE	04-26-063-13W6	NARRAWAY	30									160	20	90	
Moderate	2-3	29446-47	08-26-063-13W6	WE	08-26-063-13W6	NARRAWAY	90									60	15	90	
Moderate	2-3	27076-48	04-12-063-13W6	BE	15-11-063-13W6	NARRAWAY										80	20	90	
Moderate	2-3	28430-50	08-36-063-13W6	WE	10-26-063-13W6	NARRAWAY	60									160	20	90	
Moderate	2-3	39218-5	14-28-063-13W6	WE	10-28-063-13W6	NARRAWAY	90									60	15	90	
Moderate	2-3	4254-79	09-09-063-15W4	BE	04-16-063-15W4	CRAIGEND										160	20	90	
Moderate	2-3	10018-3	06-22-063-15W4	BE	13-21-063-15W4	FIGURE LAKE										320	20	90	
Moderate	2-3	3781-4	11-09-063-16W4	BE	10-10-063-16W4	EDWAND										320	20	90	
Moderate	2-3	16815-7	13-08-063-20W5	BE	04-20-063-20W5	KAYBOB										160	20	90	
Moderate	2-3	26672-14	10-19-063-20W5	BE	04-20-063-20W5	TONY CREEK NORTH										80	20	90	
Moderate	2-3	14206-38	10-33-063-21W5	WE	14-04-064-21W5	TONY CREEK NORTH	60									160	20	90	
Moderate	2-3	10437-45	16-28-063-21W5	WE	10-33-063-21W5	TONY CREEK NORTH	30									160	20	90	
Moderate	2-3	3708-8	16-17-063-22W4	BE	01-20-063-22W4	MEANOOK										40	15	90	
Moderate	2-3	26423-15	06-17-063-22W5	PL	09-19-063-22W5	WASKAHIGAN	60									80	20	90	
Moderate	2-3	17093-1	09-19-063-22W5	WE	02-20-063-22W5	WASKAHIGAN	60	60						60	60	80	20	90	
Moderate	2-3	3108-47	12-17-063-23W5	WE	11-17-063-23W5	WASKAHIGAN	60	60				4		90	30	40	15	90	
Moderate	2-3	6595-52	01-16-063-24W5	WE	06-14-063-24W5	WASKAHIGAN	30									160	20	90	
Moderate	2-3	4093-56	13-23-063-24W5	WE	06-14-063-24W5	WASKAHIGAN	30									160	20	90	
Moderate	2-3	2198-101	07-25-063-24W5	WE	10-26-063-24W5	WASKAHIGAN	30									80	20	90	
Moderate	2-3	5003-122	09-18-063-24W5	WE	09-17-063-24W5	WASKAHIGAN	60									80	20	90	
Moderate	2-3	12975-30	01-34-063-24W5	PL	02-02-064-24W5	WASKAHIGAN	60	60						90	30	40	20	90	
Moderate	2-3	22700-3	15-36-063-24W5	BE	12-01-064-24W5	WASKAHIGAN										40	20	90	
Moderate	2-3	4987-14	16-29-063-25W4	BE	06-04-064-25W4	BOLLOQUE										160	20	90	
Moderate	2-3	19395-29	04-27-063-25W4	BE	16-28-063-25W4	BOLLOQUE										80	20	90	
Moderate	2-3	26322-26	07-32-063-26W4	BE	03-06-064-26W4	FRENCH										160	20	90	
Moderate	2-3	24384-9	15-28-062-01W5	BE	15-33-062-01W5	JARVIE										40	20	90	
Moderate	2-3	14160-2	06-26-062-03W5	BE	07-01-063-03W5	VEGA										160	20	90	
Moderate	2-3	38931-1	10-18-062-05W5	WE	05-07-062-05W5	NEERLANDIA	30	60						60	60	160	20	90	
Moderate	2-3	32465-1	11-17-062-05W5	BE	10-18-062-05W5	NEERLANDIA										80	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1		STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS	OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug
Moderate	2-3	29642-2	12-03-062-05W5	WE	16-04-062-05W5	NEERLANDIA	60									80	15	90	
Moderate	2-3	1704-38	09-05-062-07W4	PL	08-05-062-07W4	SUGDEN	90									60	15	90	
Moderate	2-3	6451-33	02-22-062-08W4	WE	02-27-062-08W4	SUGDEN	60	60						4	90	30	40	20	90
Moderate	2-3	10323-3	09-32-062-08W4	PL	11-33-062-08W4	SUGDEN	60								90		60	15	90
Moderate	2-3	4301-24	14-35-062-09W4	WE	10-01-063-09W4	SUGDEN	60	60						5	90	30	40	20	90
Moderate	2-3	8291-6	02-03-062-09W4	WE	05-03-062-09W4	SUGDEN	60	60							90	60	80	15	90
Moderate	2-3	28128-2	03-19-062-09W4	BE	11-18-062-09W4	SUGDEN											80	15	90
Moderate	2-3	24355-18	15-33-062-11W6	PL	04-03-063-11W6	NARRAWAY	90										80	15	90
Moderate	2-3	5914-31	05-35-062-11W6	BE	13-26-062-11W6	NARRAWAY											80	20	90
Moderate	2-3	7588-44	11-21-062-12W4	BE	10-29-062-12W4	CRAIGEND											80	20	90
Moderate	2-3	4127-1	10-20-062-12W4	BE	05-24-062-13W4	CRAIGEND											160	20	90
Moderate	2-3	12052-1	05-08-062-12W4	BE	05-20-062-12W4	CRAIGEND											160	20	90
Moderate	2-3	12816-1	15-18-062-12W4	BE	13-17-062-12W4	CRAIGEND											60	15	90
Moderate	2-3	4206-31	07-14-062-13W4	BE	11-13-062-13W4	CRAIGEND											80	20	90
Moderate	2-3	7258-32	11-13-062-13W4	BE	05-24-062-13W4	CRAIGEND											80	20	90
Moderate	2-3	9631-1	16-24-062-13W6	BE	12-19-062-12W6	NARRAWAY											20	10	90
Moderate	2-3	8745-1	09-08-062-15W4	BE	05-09-062-15W4	CRAIGEND											40	15	90
Moderate	2-3	15836-26	07-04-062-15W4	BE	05-09-062-15W4	CRAIGEND											80	20	90
Moderate	2-3	8508-81	06-13-062-15W4	BE	09-14-062-15W4	CRAIGEND											80	20	90
Moderate	2-3	10009-2	09-17-062-19W4	BE	04-11-062-19W4	NEWBROOK											160	20	90
Moderate	2-3	10693-2	10-01-062-20W4	BE	11-36-061-20W4	NEWBROOK											160	20	90
Moderate	2-3	22744-20	05-30-062-22W5	PL	11-30-062-22W5	GRIZZLY	90										60	15	90
Moderate	2-3	8362-26	14-21-062-22W5	WE	06-20-062-22W5	GRIZZLY	60										160	20	90
Moderate	2-3	20666-2	09-18-062-22W5	WE	07-07-062-22W5	GRIZZLY	60										160	20	90
Moderate	2-3	30804-3	14-06-062-22W5	WE	07-07-062-22W5	GRIZZLY	30										80	20	90
Moderate	2-3	36269-1	10-22-062-22W5	WE	11-26-062-22W5	WASKAHIGAN	30	60							60	60	160	20	90
Moderate	2-3	12615-7	13-15-062-22W5	WE	15-15-062-22W5	WASKAHIGAN	60										80	20	90
Moderate	2-3	23545-1	14-14-062-22W5	WE	10-22-062-22W5	WASKAHIGAN	60										160	20	90
Moderate	2-3	25610-2	07-02-062-22W5	WE	14-14-062-22W5	KAYBOB SOUTH	30										160	20	90
Moderate	2-3	38003-5	15-15-062-22W5	WE	01-22-062-22W5	WASKAHIGAN	60							20			160	20	90
Moderate	2-3	36031-7	08-15-062-22W5	WE	03-14-062-22W5	WASKAHIGAN	60										60	15	90
Moderate	2-3	8283-10	10-22-062-22W5	WE	14-21-062-22W5	KAYBOB SOUTH	30										160	20	90
Moderate	2-3	37688-12	06-24-062-22W5	WE	13-13-062-22W5	WASKAHIGAN	60										60	15	90
Moderate	2-3	42990-1	10-29-062-22W5	BE	09-20-062-22W5	WASKAHIGAN											160	20	90
Moderate	2-3	5913-130	02-30-062-23W5	WE	05-30-062-23W5	WASKAHIGAN	60										60	15	90
Moderate	2-3	4321-132	13-19-062-23W5	WE	02-30-062-23W5	WASKAHIGAN	60										60	15	90
Moderate	2-3	3335-133	05-30-062-23W5	PL	07-25-062-24W5	WASKAHIGAN	90										60	15	90
Moderate	2-3	26758-32	01-15-062-23W5	WE	09-10-062-23W5	GRIZZLY	90										60	15	90
Moderate	2-3	29434-34	03-15-062-23W5	BE	01-15-062-23W5	GRIZZLY											80	20	90
Moderate	2-3	10357-2	14-29-062-24W5	WE	04-31-062-24W5	WASKAHIGAN	30										320	20	90
Moderate	2-3	34957-3	01-29-062-24W5	WE	14-29-062-24W5	WASKAHIGAN	60										160	20	90
Moderate	2-3	19421-4	01-20-062-24W5	WE	01-29-062-24W5	WASKAHIGAN	60	60						15	90	30	160	20	90
Moderate	2-3	30642-9	11-08-062-24W5	WE	08-17-062-24W5	WASKAHIGAN	30										160	20	90
Moderate	2-3	21636-15	06-35-062-25W4	WE	10-19-062-24W4	BOLLOQUE	30								20		160	40	60
Moderate	2-3	23613-3	04-32-062-25W5	WE	14-29-062-25W5	SIMONETTE	60										80	20	90
Moderate	2-3	26633-6	14-17-062-25W5	BE	14-21-062-25W5	SIMONETTE											160	20	90
Moderate	2-3	33663-1	10-36-062-25W5	BE	04-31-062-24W5	WASKAHIGAN											160	20	90
Moderate	2-3	15105-15	09-10-062-25W5	WE	04-11-062-25W5	WASKAHIGAN	60										160	20	90
Moderate	2-3	34526-20	01-01-062-25W5	WE	06-06-062-24W5	WASKAHIGAN	60										120	15	90
Moderate	2-3	8146-2	07-16-062-26W5	BE	06-22-062-26W5	SIMONETTE											80	20	90
Moderate	2-3	8517-11	15-29-062-26W5	WE	11-20-062-26W5	SIMONETTE	30										160	20	90
Moderate	2-3	9932-1	11-34-061-01W5	BE	08-33-061-01W5	WESTLOCK											80	20	90
Moderate	2-3	7669-4	10-21-061-01W5	BE	06-27-061-01W5	WESTLOCK											80	20	90
Moderate	2-3	8470-38	11-07-061-01W6	WE	13-07-061-01W6	RESTHAVEN	90										60	15	90
Moderate	2-3	7481-21	04-14-061-02W5	BE	07-04-061-02W5	WESTLOCK											40	20	90
Moderate	2-3	8440-28	06-13-061-02W5	BE	04-14-061-02W5	WESTLOCK											160	20	90
Moderate	2-3	17840-36	08-05-061-02W5	WE	07-04-061-02W5	WESTLOCK	30	60						4	90	30	40	20	90
Moderate	2-3	19973-1	07-25-061-02W5	BE	06-13-061-02W5	WESTLOCK											160	20	90
Moderate	2-3	16558-1	04-04-061-02W5	BE	07-04-061-02W5	WESTLOCK											60	15	90
Moderate	2-3	14682-41	01-11-061-02W6	BE	10-03-061-02W6	RESTHAVEN											80	20	90
Moderate	2-3	35478-1	02-25-061-05W4	WE	13-20-061-04W4	FORT KENT	30										160	20	90
Moderate	2-3	21476-2	09-22-061-07W6	WE	15-22-061-07W6	KAKWA	90										60	15	90
Moderate	2-3	32256-1	04-36-061-09W4	WE	06-35-061-09W4	SUGDEN	60										160	20	90
Moderate	2-3	33219-4	07-18-061-09W6	PL	05-07-061-09W6	LYNX	30										160	20	90
Moderate	2-3	9702-69	16-32-061-10W4	BE	11-33-061-10W4	SUGDEN											160	20	90
Moderate	2-3	17798-2	08-17-061-10W4	BE	10-08-061-10W4	SUGDEN											160	20	90
Moderate	2-3	28878-20	03-11-061-10W6	WE	06-12-061-10W6	NARRAWAY	30										160	20	90

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/Slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	15308-34	16-01-061-10W6	WE	08-12-061-10W6	LYNX	30									80	20	90	
Moderate	2-3	19263-2	11-35-061-12W4	BE	10-27-061-12W4	ASHMONT										160	20	90	
Moderate	2-3	9827-84	06-34-061-13W4	BE	04-34-061-13W4	CORRIN										80	15	90	
Moderate	2-3	10009-94	04-28-061-13W4	BE	12-28-061-13W4	CORRIN										60	15	90	
Moderate	2-3	10373-103	12-22-061-13W4	BE	11-16-061-13W4	CLAY										160	20	90	
Moderate	2-3	11581-52	13-36-061-14W4	BE	04-01-062-14W4	CORRIN										40	15	90	
Moderate	2-3	20462-2	09-25-061-14W4	WE	10-30-061-13W4	CORRIN	60									80	20	90	
Moderate	2-3	16336-1	01-10-061-14W4	BE	08-04-061-14W4	EDWARD										160	20	90	
Moderate	2-3	5091-6	10-10-061-15W4	BE	13-11-061-15W4	EDWARD										60	15	90	
Moderate	2-3	18669-53	16-27-061-15W4	PL	14-26-061-15W4	EDWARD	60									60	15	90	
Moderate	2-3	7521-8	02-23-061-15W4	BE	11-26-061-15W4	EDWARD										160	20	90	
Moderate	2-3	6702-86	05-29-061-16W4	PL	12-20-061-16W4	EDWARD	60									40	15	90	
Moderate	2-3	19110-2	01-35-061-17W4	PL	11-25-061-17W4	EDWARD	30									80	20	90	
Moderate	2-3	11405-1	06-17-061-18W4	BE	10-17-061-18W4	LUCKY										80	15	90	
Moderate	2-3	11294-1	06-02-061-18W5	WE	10-03-061-18W5	KAYBOB SOUTH	60	60						60	60	80	20	90	
Moderate	2-3	10363-3	04-28-061-22W4	BE	11-28-061-22W4	ABEE										60	15	90	
Moderate	2-3	4533-2	07-33-061-22W4	BE	08-32-061-22W4	ABEE										160	20	90	
Moderate	2-3	15616-3	02-34-061-22W4	BE	07-33-061-22W4	ABEE										80	20	90	
Moderate	2-3	19794-1	14-23-061-22W4	BE	07-34-061-22W4	ABEE										320	20	90	
Moderate	2-3	38796-2	13-22-061-22W4	BE	07-27-061-22W4	ABEE										80	20	90	
Moderate	2-3	9960-2	05-08-061-22W5	PL	09-08-061-22W5	BIGSTONE	30									80	20	90	
Moderate	2-3	4268-4	09-08-061-22W5	PL	11-09-061-22W5	BIGSTONE	60									40	20	90	
Moderate	2-3	6990-20	03-29-061-22W5	WE	08-29-061-22W5	GRIZZLY	60									80	20	90	
Moderate	2-3	7598-26	11-06-061-22W5	PL	08-06-061-22W5	BIGSTONE	60									60	15	90	
Moderate	2-3	4679-8	10-27-061-22W5	BE	06-22-061-22W5	GRIZZLY										160	20	90	
Moderate	2-3	20149-1	01-07-061-22W5	WE	10-07-061-22W5	BIGSTONE	30	60						90	60	80	20	90	
Moderate	2-3	23607-8	15-26-061-22W5	WE	15-35-061-22W5	KAYBOB SOUTH	30									80	20	90	
Moderate	2-3	22778-11	15-35-061-22W5	WE	07-02-062-22W5	KAYBOB SOUTH	60									60	15	90	
Moderate	2-3	10354-16	09-26-061-22W5	WE	15-26-061-22W5	KAYBOB SOUTH	60									60	15	90	
Moderate	2-3	35280-1	05-35-061-23W5	WE	05-01-062-23W5	GRIZZLY	30									160	20	90	
Moderate	2-3	26059-5	09-36-061-23W5	BE	06-36-061-23W5	GRIZZLY										80	20	90	
Moderate	2-3	37685-6	10-36-061-23W5	BE	06-36-061-23W5	GRIZZLY										40	15	90	
Moderate	2-3	24856-7	07-33-061-23W5	WE	11-27-061-23W5	SAXON	60									80	20	90	
Moderate	2-3	10022-9	11-27-061-23W5	WE	05-35-061-23W5	GRIZZLY	60									80	20	90	
Moderate	2-3	17353-7	01-10-061-24W4	BE	09-09-061-24W4	NESTOW										80	20	90	
Moderate	2-3	19578-29	15-01-061-24W5	WE	01-01-061-24W5	PLACID	60									160	20	90	
Moderate	2-3	15582-30	01-02-061-24W5	WE	06-01-061-24W5	PLACID	60									80	20	90	
Moderate	2-3	15982-33	10-03-061-24W5	WE	05-02-061-24W5	PLACID	60									80	20	90	
Moderate	2-3	36496-1	07-36-061-24W5	BE	13-26-061-24W5	SAXON										160	20	90	
Moderate	2-3	14816-2	10-08-061-26W4	BE	10-33-060-26W4	WESTLOCK										160	20	90	
Moderate	2-3	10667-39	11-24-060-01W5	BE	12-21-060-27W4	WESTLOCK										40	20	90	
Moderate	2-3	5377-1	06-17-060-01W5	WE	04-13-060-02W5	WESTLOCK	60					18				160	20	90	
Moderate	2-3	34601-6	13-31-060-01W6	BE	13-06-061-01W6	PROVOST										80	20	90	
Moderate	2-3	23760-1	01-36-060-04W5	BE	16-25-060-04W5	MELLOWDALE										60	15	90	
Moderate	2-3	13519-2	07-36-060-04W5	BE	01-36-060-04W5	MELLOWDALE										60	15	90	
Moderate	2-3	18870-5	01-02-060-07W4	MS	08-25-059-07W4	STEVE	60	60						60	60	160	20	90	
Moderate	2-3	36411-5	02-03-060-09W4	BE	10-22-059-09W4	THERIEN										160	20	90	
Moderate	2-3	20870-1	13-01-060-09W5	BE	10-13-060-09W5	GREENCOURT										160	20	90	
Moderate	2-3	10863-4	11-18-060-10W4	WE	11-24-060-11W4	ASHMONT	60	60						60	120	320	20	90	
Moderate	2-3	10191-8	01-07-060-12W4	BE	01-06-060-12W4	CLAY										80	20	90	
Moderate	2-3	5277-62	04-09-060-12W4	BE	06-04-060-12W4	CLAY										160	20	90	
Moderate	2-3	5940-41	07-05-060-14W4	WE	14-05-060-14W4	CLAY	90									80	15	90	
Moderate	2-3	8698-42	14-03-060-14W4	BE	12-03-060-14W4	CLAY										60	15	90	
Moderate	2-3	15486-54	10-08-060-14W4	PL	02-08-060-14W4	CLAY	60	60						90	30	60	15	90	
Moderate	2-3	7849-50	10-10-060-15W4	BE	11-14-060-15W4	BELLIS										80	20	90	
Moderate	2-3	9971-55	16-02-060-15W4	PL	04-12-060-15W4	BELLIS	60									60	15	90	
Moderate	2-3	1723-27	06-34-060-16W4	PL	11-34-060-16W4	EDWARD	60	60						90	30	60	15	90	
Moderate	2-3	6702-67	12-28-060-16W4	BE	11-33-060-16W4	EDWARD										80	20	90	
Moderate	2-3	3594-7	15-20-060-17W4	BE	07-17-060-17W4	EDWARD										80	20	90	
Moderate	2-3	12349-2	01-30-060-17W4	BE	11-24-060-18W4	EDWARD										160	20	90	
Moderate	2-3	15247-12	05-19-060-17W5	WE	08-25-060-18W5	KAYBOB SOUTH	30									80	20	90	
Moderate	2-3	12921-1	16-23-060-18W5	WE	15-23-060-18W5	KAYBOB SOUTH	90									60	15	90	
Moderate	2-3	47977-15	10-02-060-18W5	WE	07-11-060-18W5	KAYBOB SOUTH	60	60						4	90	40	20	90	
Moderate	2-3	48000-11	15-10-060-18W5	BE	07-09-060-18W5	KAYBOB SOUTH										80	20	90	
Moderate	2-3	6093-4	07-11-060-19W4	BE	10-14-060-19W4	WOODLAND										80	20	90	
Moderate	2-3	16351-3	10-29-060-19W5	PL	11-19-060-19W5	KAYBOB SOUTH	30									80	20	90	
Moderate	2-3	18499-1	11-09-060-19W5	WE	09-08-060-19W5	KAYBOB SOUTH	60									60	15	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	35955-2	15-21-060-19W5	WE	03-20-060-19W5	KAYBOB SOUTH	60									80	20	90	
Moderate	2-3	14117-8	05-01-060-19W5	BE	10-02-060-19W5	KAYBOB SOUTH										40	20	90	
Moderate	2-3	3739-2	09-18-060-20W5	B	15-18-060-20W5	KAYBOB SOUTH	60									80	15	90	
Moderate	2-3	16941-10	08-15-060-20W5	WE	03-22-060-20W5	KAYBOB SOUTH	60	60						90	30	40	20	90	
Moderate	2-3	11218-1	02-16-060-20W5	WE	04-16-060-20W5	KAYBOB SOUTH	60									40	15	90	
Moderate	2-3	5809-1	13-21-060-22W5	WE	01-29-060-22W5	BIGSTONE	60									60	15	90	
Moderate	2-3	23174-34	07-29-060-23W5	CS	04-03-061-23W5	PLACID	60					20				160	20	90	
Moderate	2-3	38429-1	05-19-060-23W5	WE	14-20-060-23W5	PLACID	60	60				4		90	30	160	20	90	
Moderate	2-3	6255-2	14-20-060-23W5	PL	07-29-060-23W5	PLACID	60									160	20	90	
Moderate	2-3	29938-5	10-29-060-23W5	WE	09-29-060-23W5	PLACID	60									120	15	90	
Moderate	2-3	41557-6	03-28-060-23W5	WE	07-29-060-23W5	PLACID	30									80	20	90	
Moderate	2-3	32620-8	02-28-060-23W5	WE	03-28-060-23W5	PLACID	60									120	15	90	
Moderate	2-3	4391-1	11-07-060-24W5	BE	13-12-060-25W5	LELAND										160	20	90	
Moderate	2-3	30344-2	15-07-060-24W5	BE	11-07-060-24W5	LELAND										60	15	90	
Moderate	2-3	3995-5	06-25-060-24W5	WE	11-25-060-24W5	PLACID	60									60	15	90	
Moderate	2-3	12785-11	02-36-060-24W5	WE	11-25-060-24W5	PLACID	60	60						90	30	40	15	90	
Moderate	2-3	11587-13	01-35-060-24W5	WE	03-36-060-24W5	PLACID	30									80	20	90	
Moderate	2-3	31155-2	13-30-060-25W5	WE	09-36-060-26W5	SIMONETTE	30									80	20	90	
Moderate	2-3	14519-5	10-10-060-26W4	BE	09-15-060-26W4	WESTLOCK										160	20	90	
Moderate	2-3	20149-14	11-21-060-26W4	BE	08-22-060-26W4	WESTLOCK										160	20	90	
Moderate	2-3	8889-20	13-34-060-26W4	BE	04-34-060-26W4	WESTLOCK										80	20	90	
Moderate	2-3	21255-7	10-03-060-27W4	WE	12-03-060-27W4	WESTLOCK	60									60	15	90	
Moderate	2-3	54211-33	04-15-059-01W6	WE	07-15-059-01W6	SMOKY	60									60	15	90	
Moderate	2-3	41046-1	11-13-059-01W6	WE	06-12-059-01W6	SMOKY	60									80	20	90	
Moderate	2-3	13043-2	07-14-059-04W5	BE	16-11-059-04W5	NEWTON										80	15	90	
Moderate	2-3	12368-1	03-13-059-07W4	BE	11-19-059-06W4	STEVE										160	20	90	
Moderate	2-3	18353-26	05-09-059-07W4	WE	08-08-059-07W4	STEVE	60									80	15	90	
Moderate	2-3	2337-1	11-30-059-08W5	BE	10-25-059-09W5	GREENCOURT										80	20	90	
Moderate	2-3	15101-1	03-07-059-08W5	BE	01-07-059-08W5	GREENCOURT										120	15	90	
Moderate	2-3	3957-4	10-25-059-09W5	BE	10-25-059-09W5	GREENCOURT										40	10	90	
Moderate	2-3	12537-5	07-13-059-09W5	WE	07-13-059-09W5	GREENCOURT	90									40	10	90	
Moderate	2-3	14531-11	13-12-059-09W5	BE	07-13-059-09W5	GREENCOURT										160	20	90	
Moderate	2-3	11967-15	16-14-059-09W5	BE	03-13-059-09W5	GREENCOURT										160	20	90	
Moderate	2-3	28459-6	03-03-059-09W5	BE	03-03-059-09W5	GREENCOURT										20	10	90	
Moderate	2-3	6316-6	15-23-059-09W5	BE	01-26-059-09W5	GREENCOURT										120	15	90	
Moderate	2-3	5457-1	05-01-059-10W4	BE	10-01-059-10W4	CACHE										80	20	90	
Moderate	2-3	10604-1	11-33-059-10W4	BE	11-03-060-10W4	ASHMONT										320	20	90	
Moderate	2-3	48317-1	06-34-059-10W4	BE	05-03-060-10W4	ASHMONT										80	20	90	
Moderate	2-3	1856-53	16-20-059-11W4	WE	14-21-059-11W4	CACHE	30									80	20	90	
Moderate	2-3	6395-57	13-17-059-11W4	WE	08-19-059-11W4	CACHE	60									80	15	90	
Moderate	2-3	2888-4	06-03-059-12W4	BE	01-04-059-12W4	CACHE										40	15	90	
Moderate	2-3	3282-1	10-05-059-12W4	BE	01-04-059-12W4	CACHE										80	20	90	
Moderate	2-3	9300-2	13-09-059-12W4	BE	10-05-059-12W4	CACHE										160	20	90	
Moderate	2-3	2365-20	14-27-059-13W4	PL	14-27-059-03W4	CHANDLER	60	60						90	30	20	10	90	
Moderate	2-3	9463-100	11-08-059-13W4	BE	15-08-059-13W4	STRY										40	15	90	
Moderate	2-3	6551-23	15-33-059-14W4	BE	10-27-059-14W4	CLAY										80	20	90	
Moderate	2-3	7279-36	10-26-059-14W4	PL	10-26-059-14W4	CLAY	60	60						90	30	20	10	90	
Moderate	2-3	33724-9	09-27-059-15W4	BE	14-33-059-15W4	BELLIS										80	20	90	
Moderate	2-3	2385-3	10-04-059-16W4	WE	14-10-059-16W4	BELLIS	60	60						90	30	40	20	90	
Moderate	2-3	3109-16	11-04-059-17W4	WE	04-10-059-17W4	BELLIS	60									160	20	90	
Moderate	2-3	6997-1	11-33-059-17W4	BE	10-05-060-17W4	BELLIS										320	20	90	
Moderate	2-3	7414-6	13-31-059-17W5	BE	02-36-059-18W5	KAYBOB SOUTH										80	20	90	
Moderate	2-3	21715-8	06-31-059-17W5	BE	08-36-059-18W5	KAYBOB SOUTH										60	15	90	
Moderate	2-3	10755-11	06-06-059-18W5	PL	16-06-059-18W5	KAYBOB SOUTH	60									160	20	90	
Moderate	2-3	22244-7	13-25-059-18W5	WE	02-36-059-18W5	KAYBOB SOUTH	90									60	15	90	
Moderate	2-3	16823-1	13-08-059-18W5	BE	06-09-059-18W5	KAYBOB SOUTH										160	20	90	
Moderate	2-3	6512-2	16-08-059-18W5	BE	13-08-059-18W5	KAYBOB SOUTH										60	15	90	
Moderate	2-3	15507-9	07-02-059-19W5	WE	01-01-059-19W5	KAYBOB SOUTH	30									80	20	90	
Moderate	2-3	11644-5	10-16-059-24W5	PL	07-16-059-24W5	PLACID	90									20	10	90	
Moderate	2-3	31888-3	08-16-059-24W5	BE	13-15-059-24W5	PLACID										60	15	90	
Moderate	2-3	22439-5	14-09-059-24W5	BE	08-16-059-24W5	PLACID										80	20	90	
Moderate	2-3	14665-3	03-07-059-25W5	WE	16-35-058-26W5	LELAND	60									160	20	90	
Moderate	2-3	28446-35	14-26-059-26W4	BE	06-01-060-26W4	WESTLOCK										160	20	90	
Moderate	2-3	14117-27	13-06-059-26W5	WE	10-01-059-27W5	LELAND	60									40	20	90	
Moderate	2-3	29074-3	03-07-059-26W5	WE	13-06-059-26W5	LELAND	90									40	15	90	
Moderate	2-3	11158-2	11-16-059-27W4	BE	06-27-059-27W4	WESTLOCK										160	20	90	
Moderate	2-3	48564-25	01-16-059-27W5	WE	03-03-059-27W5	SMOKY	60									80	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	15811-36	02-14-059-27W5	WE	05-13-059-27W5	SMOKY	30									80	20	90	
Moderate	2-3	26794-6	02-10-059-27W5	WE	03-03-059-27W5	SMOKY	60									80	20	90	
Moderate	2-3	57011-1	10-01-059-27W5	WE	05-36-058-27W5	SMOKY	60									80	20	90	
Moderate	2-3	16000-57	02-21-058-01W6	WE	13-09-058-01W6	SMOKY	30									80	20	90	
Moderate	2-3	15025-2	05-05-058-01W6	WE	10-06-058-01W6	SMOKY	30									40	20	90	
Moderate	2-3	3555-40	13-17-058-02W6	WE	13-20-058-02W6	SMOKY	60									160	20	90	
Moderate	2-3	11378-54	12-29-058-02W6	WE	11-29-058-02W6	SMOKY	90									60	15	90	
Moderate	2-3	22533-2	05-19-058-02W6	WE	11-19-058-02W6	SMOKY	60									60	15	90	
Moderate	2-3	32463-3	09-19-058-02W6	WE	11-19-058-02W6	SMOKY	60									60	15	90	
Moderate	2-3	8684-2	08-20-058-02W6	WE	07-20-058-02W6	SMOKY	60									80	15	90	
Moderate	2-3	15395-3	10-31-058-02W6	WE	15-30-058-02W6	SMOKY	60									80	20	90	
Moderate	2-3	38290-1	14-21-058-02W6	WE	02-29-058-02W6	SMOKY	30									80	20	90	
Moderate	2-3	8467-1	15-16-058-02W6	WE	10-16-058-02W6	SMOKY	60									60	15	90	
Moderate	2-3	17381-4	02-15-058-02W6	WE	05-15-058-02W6	SMOKY	60									60	15	90	
Moderate	2-3	33871-6	05-15-058-02W6	WE	08-16-058-02W6	SMOKY	60									60	15	90	
Moderate	2-3	6685-7	11-16-058-02W6	WE	10-16-058-02W6	SMOKY	60									80	20	90	
Moderate	2-3	28969-10	10-21-058-02W6	WE	10-16-058-02W6	SMOKY	60									80	20	90	
Moderate	2-3	30751-11	07-26-058-02W6	WE	13-23-058-02W6	SMOKY	60									80	20	90	
Moderate	2-3	20946-12	13-23-058-02W6	PL	05-22-058-02W6	SMOKY	30									160	20	90	
Moderate	2-3	31670-3	06-29-058-02W6	PL	13-20-058-02W6	SMOKY	90									60	15	90	
Moderate	2-3	8692-20	16-18-058-03W4	BE	07-07-058-03W4	LINDBERGH		60								160	20	90	
Moderate	2-3	14222-25	04-35-058-03W6	WE	15-26-058-03W6	SMOKY	60							90	30	60	15	90	
Moderate	2-3	10311-26	01-36-058-03W6	WE	07-36-058-03W6	SMOKY	60									60	15	90	
Moderate	2-3	23467-41	15-23-058-03W6	WE	16-23-058-03W6	SMOKY	60									60	15	90	
Moderate	2-3	4977-45	02-34-058-03W6	WE	10-34-058-03W6	SMOKY	60									80	20	90	
Moderate	2-3	36832-17	14-22-058-04W6	WE	04-21-058-04W6	MOBERLY	60									160	20	90	
Moderate	2-3	37429-1	06-29-058-04W6	WE	11-30-058-04W6	MOBERLY	30									80	20	90	
Moderate	2-3	4365-19	11-31-058-09W4	BE	01-10-059-10W4	CACHE										160	40	60	
Moderate	2-3	8656-23	07-01-058-10W4	WE	05-01-058-10W4	ST PAUL	60									80	15	90	
Moderate	2-3	9502-8	04-18-058-11W4	BE	15-07-058-11W4	CACHE										60	15	90	
Moderate	2-3	10515-10	11-35-058-11W4	BE	07-32-058-10W4	CACHE										160	40	60	
Moderate	2-3	7839-30	10-31-058-12W4	BE	10-32-058-12W4	CACHE										160	20	90	
Moderate	2-3	3959-1	11-24-058-14W4	BE	16-25-058-14W4	STRY										160	20	90	
Moderate	2-3	18267-9	02-28-058-17W4	PL	07-33-058-17W4	BELLIS	60									80	20	90	
Moderate	2-3	18139-20	11-23-058-17W4	BE	05-26-058-17W4	BELLIS										80	20	90	
Moderate	2-3	26559-1	10-03-058-17W4	WE	13-35-057-17W4	UKALTA	60									160	20	90	
Moderate	2-3	24349-2	03-16-058-21W4	BE	07-16-058-21W4	REDWATER										60	15	90	
Moderate	2-3	9263-7	13-10-058-21W4	BE	08-09-058-21W4	REDWATER										60	15	90	
Moderate	2-3	25530-19	13-09-058-22W5	WE	10-05-058-22W5	SUNDANCE	60									160	20	90	
Moderate	2-3	26097-20	01-03-058-22W5	WE	06-34-057-22W5	SUNDANCE	60									160	20	90	
Moderate	2-3	16452-21	13-04-058-22W5	WE	10-05-058-22W5	SUNDANCE	30									80	20	90	
Moderate	2-3	17604-1	10-06-058-23W4	BE	06-05-058-23W4	REDWATER										160	20	90	
Moderate	2-3	26664-25	05-12-058-23W5	WE	08-11-058-23W5	SUNDANCE	60									60	15	90	
Moderate	2-3	11063-29	11-11-058-23W5	WE	02-14-058-23W5	SUNDANCE	60									80	20	90	
Moderate	2-3	8226-33	15-10-058-23W5	PL	04-15-058-23W5	SUNDANCE	60									60	15	90	
Moderate	2-3	18154-34	01-16-058-23W5	WE	04-15-058-23W5	SUNDANCE	60									60	15	90	
Moderate	2-3	16169-36	16-05-058-23W5	WE	08-08-058-23W5	SUNDANCE	60									60	15	90	
Moderate	2-3	20424-38	14-03-058-23W5	WE	08-09-058-23W5	SUNDANCE	60									80	20	90	
Moderate	2-3	3120-39	16-04-058-23W5	WE	05-10-058-23W5	SUNDANCE	60									80	20	90	
Moderate	2-3	11063-41	01-26-058-23W5	WE	06-23-058-23W5	SUNDANCE	60									160	20	90	
Moderate	2-3	23544-42	08-09-058-23W5	PL	05-10-058-23W5	SUNDANCE	90									20	10	90	
Moderate	2-3	15885-47	13-07-058-23W5	WE	09-07-058-23W5	SUNDANCE	60									80	20	90	
Moderate	2-3	9928-57	02-04-058-23W5	WE	16-04-058-23W5	SUNDANCE	30									80	20	90	
Moderate	2-3	17303-60	12-20-058-23W5	WE	06-17-058-23W5	SUNDANCE	30									160	20	90	
Moderate	2-3	27515-62	04-28-058-23W5	BE	05-29-058-23W5	SUNDANCE										80	20	90	
Moderate	2-3	24111-65	12-02-058-23W5	WE	06-02-058-23W5	SUNDANCE	60									60	15	90	
Moderate	2-3	12197-69	02-32-058-23W5	BE	01-29-058-23W5	BERLAND RIVER										320	20	90	
Moderate	2-3	6240-77	07-08-058-23W5	WE	01-08-058-23W5	SUNDANCE	90									60	15	90	
Moderate	2-3	15034-90	15-15-058-23W5	WE	10-15-058-23W5	WILD RIVER	60									40	15	90	
Moderate	2-3	33542-1	06-01-058-23W5	WE	07-01-058-23W5	SUNDANCE	60									60	15	90	
Moderate	2-3	33390-41	03-07-058-24W5	WE	03-07-058-24W5	WILD RIVER	60									40	15	90	
Moderate	2-3	21347-53	12-06-058-24W5	WE	05-06-058-24W5	WILD RIVER	60									40	15	90	
Moderate	2-3	45979-76	01-04-058-24W5	WE	08-04-058-24W5	WILD RIVER	60									40	15	90	
Moderate	2-3	26274-98	02-02-058-24W5	WE	10-02-058-24W5	WILD RIVER	60									60	15	90	
Moderate	2-3	54738-99	06-12-058-24W5	WE	13-02-058-24W5	SUNDANCE	30									160	20	90	
Moderate	2-3	30653-103	08-07-058-24W5	WE	03-07-058-24W5	WILD RIVER	30									40	20	90	
Moderate	2-3	20471-3	13-18-058-25W4	BE	05-08-058-25W4	WESTLOCK										160	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED				STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d				
Moderate	2-3	5696-16	06-30-058-25W5	BE	14-23-058-26W5	LELAND											80	20	90			
Moderate	2-3	15326-30	01-03-058-25W5	WE	06-02-058-25W5	WILD RIVER	60										80	20	90			
Moderate	2-3	40506-56	15-03-058-25W5	WE	12-02-058-25W5	WILD RIVER	60										60	15	90			
Moderate	2-3	8758-106	16-13-058-25W5	WE	02-13-058-25W5	WILD RIVER	60										80	20	90			
Moderate	2-3	7699-3	13-27-058-26W5	WE	16-27-058-26W5	LELAND	60										80	15	90			
Moderate	2-3	37263-1	14-23-058-26W5	GP	16-27-058-26W5	LELAND	60	60					60	90		160	20	90				
Moderate	2-3	13827-4	16-26-058-26W5	WE	16-27-058-26W5	LELAND	60										80	20	90			
Moderate	2-3	40658-10	08-32-058-26W5	WE	13-32-058-26W5	LELAND	60										80	20	90			
Moderate	2-3	21730-27	05-30-057-03W4	PL	08-25-057-04W4	LINDBERGH	60	60							4		40	15	90			
Moderate	2-3	15645-10	02-25-057-04W4	PL	10-12-057-04W4	LINDBERGH	60	60					17	60	60	80	20	90				
Moderate	2-3	25202-2	02-13-057-05W4	BE	03-13-057-05W4	LINDBERGH										320	20	90				
Moderate	2-3	17805-117	07-23-057-05W4	PL	01-13-057-05W4	LINDBERGH	30	60							4		80	20	90			
Moderate	2-3	21529-1	03-21-057-05W5	BE	16-29-057-05W5	BARRHEAD										320	20	90				
Moderate	2-3	10076-7	06-21-057-06W4	PL	10-16-057-06W4	SILER	30									80	20	90				
Moderate	2-3	20590-19	10-16-057-06W4	PL	03-15-057-06W4	SILER	60									80	20	90				
Moderate	2-3	6353-7	08-02-057-06W4	WE	01-03-057-06W4	LINDBERGH	30									160	20	90				
Moderate	2-3	30963-14	01-34-057-06W6	WE	01-34-057-06W6	FINDLEY	60									20	10	90				
Moderate	2-3	14841-2	12-13-057-06W6	WE	08-24-057-06W6	FINDLEY	30									80	20	90				
Moderate	2-3	9412-6	05-34-057-07W4	PL	13-26-057-07W4	SILER	60	60								80	20	90				
Moderate	2-3	28315-28	04-17-057-08W4	PL	10-16-057-08W4	CANARD	30									160	20	90				
Moderate	2-3	34158-30	06-08-057-08W4	WE	04-17-057-08W4	ST PAUL	60									80	20	90				
Moderate	2-3	8974-16	10-27-057-11W4	BE	10-29-057-11W4	CACHE										160	20	90				
Moderate	2-3	18928-1	11-11-057-11W4	WE	13-12-057-11W4	CACHE	60									160	20	90				
Moderate	2-3	6894-1	10-33-057-12W4	BE	15-03-058-12W4	CACHE										160	20	90				
Moderate	2-3	23815-3	06-21-057-15W4	BE	16-21-057-15W4	UKALTA										60	15	90				
Moderate	2-3	10322-4	10-33-057-21W4	BE	15-28-057-21W4	REDWATER										160	20	90				
Moderate	2-3	8230-2	04-33-057-21W4	BE	11-28-057-21W4	REDWATER										60	15	90				
Moderate	2-3	5429-2	02-16-057-21W5	WE	06-09-057-21W5	KAYBOB SOUTH	30									80	20	90				
Moderate	2-3	20524-8	04-14-057-22W5	WE	11-23-057-22W5	SUNDANCE	60	60								160	20	90				
Moderate	2-3	9577-14	07-30-057-22W5	WE	03-30-057-22W5	SUNDANCE	60							60	60	60	15	90				
Moderate	2-3	10262-16	03-11-057-22W5	WE	04-14-057-22W5	SUNDANCE	30									160	20	90				
Moderate	2-3	4104-27	10-14-057-22W5	WE	01-14-057-22W5	SUNDANCE	60									80	20	90				
Moderate	2-3	33864-30	08-11-057-22W5	WE	02-11-057-22W5	SUNDANCE	60									60	15	90				
Moderate	2-3	19871-10	13-05-057-22W5	WE	06-05-057-22W5	WILD RIVER	30									80	20	90				
Moderate	2-3	12747-30	02-05-057-22W5	WE	08-05-057-22W5	WILD RIVER	60									60	15	90				
Moderate	2-3	20140-23	14-25-057-23W5	WE	14-36-057-23W5	SUNDANCE	30									80	20	90				
Moderate	2-3	24962-26	13-35-057-23W5	WE	16-02-058-23W5	SUNDANCE	60									160	20	90				
Moderate	2-3	14183-28	09-35-057-23W5	WE	11-36-057-23W5	SUNDANCE	90									60	15	90				
Moderate	2-3	3404-30	16-27-057-23W5	WE	13-35-057-23W5	SUNDANCE	60									160	20	90				
Moderate	2-3	11063-32	08-34-057-23W5	WE	05-35-057-23W5	SUNDANCE	60									60	15	90				
Moderate	2-3	18438-54	13-25-057-23W5	WE	14-25-057-23W5	SUNDANCE	60									60	15	90				
Moderate	2-3	20707-55	03-36-057-23W5	WE	14-25-057-23W5	SUNDANCE	60									60	15	90				
Moderate	2-3	11630-9	16-13-057-23W5	WE	12-20-057-22W5	SUNDANCE	30									160	20	90				
Moderate	2-3	11972-31	07-25-057-23W5	WE	09-25-057-23W5	SUNDANCE	60									60	15	90				
Moderate	2-3	24322-1	07-01-057-23W5	PL	04-03-057-23W5	WILD RIVER	30									160	20	90				
Moderate	2-3	30683-3	04-01-057-23W5	WE	09-02-057-23W5	WILD RIVER	30									80	20	90				
Moderate	2-3	16838-8	09-05-057-23W5	WE	07-05-057-23W5	WILD RIVER	90									80	15	90				
Moderate	2-3	19832-11	06-11-057-23W5	WE	07-11-057-23W5	WILD RIVER	60									60	15	90				
Moderate	2-3	24229-2	05-13-057-23W5	WE	16-13-057-23W5	SUNDANCE	30									80	20	90				
Moderate	2-3	14628-1	06-26-057-23W5	WE	14-26-057-23W5	SUNDANCE	60									60	15	90				
Moderate	2-3	15034-67	07-08-057-24W5	WE	16-08-057-24W5	WILD RIVER	60									60	15	90				
Moderate	2-3	26274-6	15-30-057-24W5	BE	08-30-057-24W5	WILD RIVER										80	20	90				
Moderate	2-3	15326-9	08-19-057-24W5	BE	13-20-057-24W5	WILD RIVER										40	20	90				
Moderate	2-3	14779-20	08-35-057-24W5	WE	12-26-057-24W5	WILD RIVER	60									80	20	90				
Moderate	2-3	34484-25	12-36-057-24W5	WE	08-35-057-24W5	WILD RIVER	30									80	20	90				
Moderate	2-3	17516-26	11-28-057-24W5	WE	15-29-057-24W5	WILD RIVER	60									40	20	90				
Moderate	2-3	51453-49	15-34-057-24W5	WE	07-03-058-24W5	WILD RIVER	30									40	20	90				
Moderate	2-3	49811-61	05-30-057-24W5	WE	02-30-057-24W5	WILD RIVER	60									60	15	90				
Moderate	2-3	16421-65	15-21-057-24W5	WE	12-21-057-24W5	WILD RIVER	60									60	15	90				
Moderate	2-3	54738-69	05-27-057-24W5	WE	15-21-057-24W5	WILD RIVER	30									80	20	90				
Moderate	2-3	20253-70	13-33-057-24W5	WE	13-33-057-24W5	WILD RIVER	60									40	15	90				
Moderate	2-3	53643-72	06-21-057-24W5	WE	16-17-057-24W5	WILD RIVER	30									80	20	90				
Moderate	2-3	19158-73	11-19-057-24W5	WE	05-30-057-24W5	WILD RIVER	30									40	20	90				
Moderate	2-3	39411-80	02-18-057-24W5	WE	05-18-057-24W5	WILD RIVER	60									40	15	90				
Moderate	2-3	48169-90	16-19-057-24W5	WE	11-20-057-24W5	WILD RIVER	60									60	15	90				
Moderate	2-3	9305-100	16-31-057-24W5	WE	02-06-058-24W5	SUNDANCE	60									40	15	90				
Moderate	2-3	29600-2	01-01-057-24W5	WE	12-36-056-24W5	WILD RIVER	30									80	20	90				

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	20281-15	04-01-057-24W5	WE	14-36-056-24W5	WILD RIVER	60									60	15	90	
Moderate	2-3	28476-2	09-24-057-25W5	WE	09-25-057-25W5	WILD RIVER	60									160	20	90	
Moderate	2-3	18080-3	11-23-057-25W5	WE	14-24-057-25W5	WILD RIVER	30									160	20	90	
Moderate	2-3	47622-18	14-13-057-25W5	BE	15-13-057-25W5	WILD RIVER										60	15	90	
Moderate	2-3	21347-63	16-12-057-25W5	WE	05-18-057-24W5	WILD RIVER	60									60	15	90	
Moderate	2-3	20253-107	15-13-057-25W5	PL	09-18-057-24W5	WILD RIVER	60									80	20	90	
Moderate	2-3	17148-28	09-16-057-26W5	BE	15-10-057-26W5	WILD RIVER										80	20	90	
Moderate	2-3	37516-4	04-26-057-26W5	BE	16-22-057-26W5	WILD RIVER										60	15	90	
Moderate	2-3	28172-21	10-01-057-27W5	WE	06-01-057-27W5	WILD RIVER	60									60	15	90	
Moderate	2-3	27555-1	08-12-057-27W5	WE	06-01-057-27W5	WILD RIVER	60									80	20	90	
Moderate	2-3	30755-12	01-31-056-01W4	BE	11-32-056-01W4	LINDBERGH										80	20	90	
Moderate	2-3	24242-13	12-22-056-02W4	BE	10-22-056-02W4	LINDBERGH										80	15	90	
Moderate	2-3	36932-1	10-13-056-03W4	BE	01-23-056-03W4	LINDBERGH										80	20	90	
Moderate	2-3	6706-4	14-02-056-04W4	B	05-01-056-04W4	LINDBERGH	30									160	20	90	
Moderate	2-3	12972-3	12-24-056-05W4	PL	07-23-056-05W4	LINDBERGH										160	15	90	
Moderate	2-3	3657-84	06-13-056-06W4	PL	09-13-056-06W4	LINDBERGH	60									60	15	90	
Moderate	2-3	13905-17	07-06-056-06W4	BE	10-06-056-06W4	LINDBERGH										60	15	90	
Moderate	2-3	26070-1	02-28-056-10W4	BE	06-29-056-10W4	DUVERNAY										80	20	90	
Moderate	2-3	1805-9	06-11-056-11W4	BE	10-12-056-11W4	DUVERNAY										160	20	90	
Moderate	2-3	31955-1	14-01-056-11W4	BE	10-12-056-11W4	DUVERNAY										80	20	90	
Moderate	2-3	44503-11	09-04-056-11W4	WE	11-05-056-11W4	DUVERNAY	60									160	20	90	
Moderate	2-3	14667-1	15-34-056-13W5	WE	04-11-057-13W5	MCLEOD	30	60					60	60		160	20	90	
Moderate	2-3	22017-8	05-31-056-16W4	WE	12-30-056-16W4	UKALTA	30	60						90		40	20	90	
Moderate	2-3	42156-11	01-12-056-16W5	WE	10-12-056-16W5	MCLEOD	60									40	15	90	
Moderate	2-3	27647-1	02-17-056-17W5	BE	16-04-056-17W5	PINE CREEK										160	20	90	
Moderate	2-3	12241-6	16-19-056-22W5	WE	02-30-056-22W5	WILD RIVER	60									60	15	90	
Moderate	2-3	9954-1	13-19-056-22W5	PL	07-25-056-23W5	WILD RIVER	60									80	20	90	
Moderate	2-3	8623-9	01-29-056-22W5	WE	05-28-056-22W5	WILD RIVER	30									80	20	90	
Moderate	2-3	31869-14	12-31-056-22W5	WE	06-31-056-22W5	WILD RIVER	60									60	15	90	
Moderate	2-3	5999-15	04-31-056-22W5	WE	13-30-056-22W5	WILD RIVER	60									60	15	90	
Moderate	2-3	4124-21	06-32-056-22W5	WE	15-29-056-22W5	WILD RIVER	60									60	15	90	
Moderate	2-3	21746-22	02-31-056-22W5	WE	06-31-056-22W5	WILD RIVER	60									60	15	90	
Moderate	2-3	32994-31	15-28-056-22W5	WE	02-33-056-22W5	WILD RIVER	60									60	15	90	
Moderate	2-3	35244-32	04-31-056-22W5	WE	06-31-056-22W5	WILD RIVER	60									60	15	90	
Moderate	2-3	15782-2	04-20-056-22W5	PL	06-20-056-22W5	WILD RIVER	60									60	15	90	
Moderate	2-3	26573-2	06-24-056-23W5	BE	04-13-056-23W5	WILD RIVER										160	20	90	
Moderate	2-3	9291-2	04-22-056-23W5	PL	03-23-056-23W5	WILD RIVER	30	60					60	60		80	20	90	
Moderate	2-3	12609-3	10-14-056-23W5	WE	07-25-056-23W5	WILD RIVER	30									160	20	90	
Moderate	2-3	31192-6	11-14-056-23W5	WE	10-14-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-3	3981-11	06-24-056-23W5	WE	07-25-056-23W5	WILD RIVER	30									80	20	90	
Moderate	2-3	28869-12	08-14-056-23W5	WE	10-14-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-3	12231-1	12-28-056-23W5	WE	09-33-056-23W5	WILD RIVER	60									160	20	90	
Moderate	2-3	29281-3	11-33-056-23W5	WE	09-33-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-3	31875-4	02-32-056-23W5	WE	03-33-056-23W5	WILD RIVER	30									80	20	90	
Moderate	2-3	7042-6	15-29-056-23W5	PL	12-28-056-23W5	WILD RIVER	60									80	15	90	
Moderate	2-3	33729-10	04-27-056-23W5	WE	06-27-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-3	10748-12	12-33-056-23W5	WE	11-33-056-23W5	WILD RIVER	60	60					90	30		40	15	90	
Moderate	2-3	35211-15	16-27-056-23W5	PL	08-27-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-3	14593-7	13-36-056-23W5	WE	04-01-057-23W5	WILD RIVER	90									60	15	90	
Moderate	2-3	13872-4	10-26-056-23W5	WE	02-35-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-3	25495-7	03-36-056-23W5	WE	14-25-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-3	21371-11	13-35-056-23W5	WE	06-35-056-23W5	WILD RIVER	30									80	20	90	
Moderate	2-3	24371-13	01-34-056-23W5	WE	06-35-056-23W5	WILD RIVER	60									80	20	90	
Moderate	2-3	21371-17	13-26-056-23W5	WE	11-26-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-3	42207-10	08-31-056-23W5	WE	15-30-056-23W5	WILD RIVER	60									40	20	90	
Moderate	2-3	25763-11	15-30-056-23W5	PL	13-30-056-23W5	WILD RIVER	90									40	15	90	
Moderate	2-3	14256-1	16-17-056-23W5	WE	10-20-056-23W5	WILD RIVER	30									80	20	90	
Moderate	2-3	6031-3	12-22-056-23W5	WE	06-28-056-23W5	WILD RIVER	30									80	20	90	
Moderate	2-3	31803-7	06-21-056-23W5	WE	15-21-056-23W5	WILD RIVER	30									80	20	90	
Moderate	2-3	43866-9	13-17-056-23W5	WE	16-17-056-23W5	WILD RIVER	30									80	20	90	
Moderate	2-3	37834-11	02-28-056-23W5	PL	07-28-056-23W5	WILD RIVER	60									60	15	90	
Moderate	2-3	12063-16	07-21-056-23W5	PL	06-21-056-23W5	WILD RIVER	60									40	15	90	
Moderate	2-3	16724-1	15-28-056-24W5	WE	08-32-056-24W5	WILD RIVER	30									80	20	90	
Moderate	2-3	30726-2	01-30-056-24W5	WE	02-29-056-24W5	WILD RIVER	30									80	20	90	
Moderate	2-3	28003-5	01-20-056-24W5	WE	13-21-056-24W5	WILD RIVER	30									160	20	90	
Moderate	2-3	22558-6	15-18-056-24W5	WE	02-20-056-24W5	WILD RIVER	30									80	20	90	
Moderate	2-3	22474-3	01-34-056-24W5	WE	12-35-056-24W5	WILD RIVER	60									80	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION			
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	31244-5	10-26-056-24W5	WE	03-35-056-24W5	WILD RIVER	30										80	20	90
Moderate	2-3	49881-7	05-36-056-24W5	WE	11-36-056-24W5	WILD RIVER	60										40	15	90
Moderate	2-3	24666-9	15-36-056-24W5	WE	14-36-056-24W5	WILD RIVER	60										60	15	90
Moderate	2-3	38370-14	16-34-056-24W5	WE	13-35-056-24W5	WILD RIVER	60										60	15	90
Moderate	2-3	6577-17	04-34-056-24W5	WE	01-34-056-24W5	WILD RIVER	30										80	20	90
Moderate	2-3	28503-20	13-34-056-24W5	WE	16-34-056-24W5	WILD RIVER	60										40	20	90
Moderate	2-3	30148-21	12-26-056-24W5	WE	03-35-056-24W5	WILD RIVER	90										40	15	90
Moderate	2-3	39196-23	14-01-056-25W5	WE	07-03-056-25W5	WILD RIVER	60										160	20	90
Moderate	2-3	27356-24	07-03-056-25W5	WE	02-33-055-25W5	WILD RIVER	30										160	20	90
Moderate	2-3	26131-27	13-05-056-25W5	WE	07-03-056-25W5	WILD RIVER	60					18					80	20	90
Moderate	2-3	27356-29	05-13-056-25W5	WE	13-01-056-25W5	WILD RIVER	30										160	20	90
Moderate	2-3	15550-2	14-28-056-26W5	BE	11-28-056-26W5	WILD RIVER											60	15	90
Moderate	2-3	16740-20	09-16-056-26W5	WE	04-16-056-26W5	WILD RIVER	60										80	20	90
Moderate	2-3	8461-15	14-30-056-26W5	WE	16-26-056-27W5	WILD RIVER	30										160	20	90
Moderate	2-3	32151-16	11-04-056-26W5	WE	14-04-056-26W5	WILD RIVER	60										80	15	90
Moderate	2-3	4083-19	09-08-056-27W5	WE	11-15-056-27W5	WILD RIVER	60										160	20	90
Moderate	2-3	24959-2	05-27-056-27W5	WE	10-15-056-27W5	WILD RIVER	30										160	20	90
Moderate	2-3	39766-3	06-10-056-27W5	WE	10-15-056-27W5	WILD RIVER	30										160	20	90
Moderate	2-3	8461-5	12-35-056-27W5	WE	10-35-056-27W5	WILD RIVER	60										60	15	90
Moderate	2-3	32151-12	05-36-056-27W5	WE	16-26-056-27W5	WILD RIVER	30										160	20	90
Moderate	2-3	11922-5	09-31-055-03W4	PL	05-01-056-04W4	LINDBERGH	60					18					160	20	90
Moderate	2-3	30230-1	08-31-055-04W4	WE	02-31-055-04W4	LINDBERGH	60										80	15	90
Moderate	2-3	24589-1	01-33-055-04W4	BE	09-33-055-04W4	LINDBERGH											80	20	90
Moderate	2-3	16323-25	08-16-055-06W4	PL	03-15-055-06W4	LINDBERGH	30										40	20	90
Moderate	2-3	13875-19	06-24-055-06W4	BE	03-24-055-06W4	LINDBERGH											120	15	90
Moderate	2-3	7176-71	06-24-055-06W4	BE	11-24-055-06W4	LINDBERGH											120	15	90
Moderate	2-3	4784-100	06-24-055-06W4	BE	10-24-055-06W4	LINDBERGH											80	15	90
Moderate	2-3	16006-1	11-28-055-08W4	BE	13-33-055-08W4	ELIZA											80	20	90
Moderate	2-3	26797-1	16-11-055-08W4	BE	15-12-055-08W4	BEAUVALLON											80	20	90
Moderate	2-3	16367-53	12-07-055-09W4	PL	08-12-055-10W4	DUVERNAY	60	60					90	30			60	15	90
Moderate	2-3	29584-1	08-32-055-09W4	BE	05-04-056-09W4	DUVERNAY											160	20	90
Moderate	2-3	32351-11	07-18-055-11W4	BE	15-07-055-11W4	DUVERNAY											60	15	90
Moderate	2-3	37760-13	09-31-055-11W4	WE	08-36-055-12W4	DUVERNAY	60										160	20	90
Moderate	2-3	20957-2	12-01-055-17W5	WE	08-33-054-17W5	PINE CREEK	60	60				18	60	60			160	20	90
Moderate	2-3	25580-3	15-18-055-19W5	WE	02-18-055-19W5	PINE CREEK	30										80	20	90
Moderate	2-3	25275-4	03-19-055-19W5	WE	15-18-055-19W5	PINE CREEK	90										60	15	90
Moderate	2-3	15824-1	11-15-055-20W4	BE	03-22-055-20W4	REDWATER											40	15	90
Moderate	2-3	12434-10	04-29-055-21W5	WE	12-29-055-21W5	WILD RIVER	60										60	15	90
Moderate	2-3	5377-14	04-08-055-21W5	WE	13-08-055-21W5	SUNDANCE	30	60					90	60			80	20	90
Moderate	2-3	13442-16	13-07-055-21W5	WE	15-12-055-22W5	SUNDANCE	60										160	20	90
Moderate	2-3	24533-26	10-19-055-21W5	WE	14-19-055-21W5	SUNDANCE	60	60					90	30			60	15	90
Moderate	2-3	12770-34	04-30-055-21W5	WE	14-19-055-21W5	WILD RIVER	90										60	15	90
Moderate	2-3	13442-36	16-06-055-21W5	WE	04-08-055-21W5	SUNDANCE	30										80	20	90
Moderate	2-3	12434-38	01-30-055-21W5	BE	04-29-055-21W5	WILD RIVER											60	15	90
Moderate	2-3	27557-35	14-12-055-22W5	PL	12-12-055-22W5	SUNDANCE	60										80	15	90
Moderate	2-3	13044-7	05-04-055-22W5	WE	02-04-055-22W5	SUNDANCE	60										60	15	90
Moderate	2-3	37095-11	06-08-055-22W5	WE	05-04-055-22W5	SUNDANCE	30										160	20	90
Moderate	2-3	17795-3	16-02-055-22W5	WE	04-12-055-22W5	SUNDANCE	90										60	15	90
Moderate	2-3	7862-5	02-02-055-22W5	BE	08-02-055-22W5	SUNDANCE											60	15	90
Moderate	2-3	19036-6	08-02-055-22W5	BE	16-02-055-22W5	SUNDANCE											80	20	90
Moderate	2-3	26906-1	06-17-055-22W5	WE	07-07-055-22W5	SUNDANCE	60										160	20	90
Moderate	2-3	36302-2	07-07-055-22W5	PL	06-08-055-22W5	SUNDANCE	60										80	20	90
Moderate	2-3	13239-4	07-06-055-22W5	WE	07-07-055-22W5	SUNDANCE	60										160	20	90
Moderate	2-3	43380-1	10-08-055-22W5	WE	07-08-055-22W5	SUNDANCE	30										80	20	90
Moderate	2-3	27887-2	11-09-055-22W5	WE	10-09-055-22W5	SUNDANCE	30	60					60	60			80	20	90
Moderate	2-3	51552-3	02-10-055-22W5	PL	16-03-055-22W5	SUNDANCE	60										40	15	90
Moderate	2-3	15440-1	12-10-055-23W5	PL	11-02-055-23W5	SUNDANCE	60										160	20	90
Moderate	2-3	20158-2	11-09-055-23W5	BE	10-09-055-23W5	SUNDANCE											60	15	90
Moderate	2-3	27021-5	11-02-055-23W5	WE	01-21-055-23W5	SUNDANCE	30										160	20	90
Moderate	2-3	21016-7	16-15-055-23W5	WE	01-21-055-23W5	WILD RIVER	60										80	20	90
Moderate	2-3	14582-9	16-18-055-23W5	WE	15-20-055-23W5	WILD RIVER	30										80	20	90
Moderate	2-3	18443-11	07-12-055-23W5	WE	01-12-055-23W5	SUNDANCE	90										60	15	90
Moderate	2-3	12009-14	01-05-055-23W5	WE	10-09-055-23W5	SUNDANCE	30										160	20	90
Moderate	2-3	10669-12	07-06-055-24W5	WE	05-05-055-24W5	WILD RIVER	30										80	20	90
Moderate	2-3	40998-1	02-18-055-24W5	WE	14-13-055-25W5	WILD RIVER	30										80	20	90
Moderate	2-3	15813-4	05-13-055-25W5	WE	14-13-055-25W5	WILD RIVER	60	60					90	60			80	20	90
Moderate	2-3	20733-16	09-27-055-25W5	WE	06-26-055-25W5	WILD RIVER	60										80	20	90

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/Slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	5271-17	16-22-055-25W5	WE	13-23-055-25W5	WILD RIVER	60									60	15	90	
Moderate	2-3	13704-18	08-23-055-25W5	WE	04-24-055-25W5	WILD RIVER	90									60	15	90	
Moderate	2-3	4216-25	05-36-055-25W5	WE	05-25-055-25W5	WILD RIVER	60	60				4		90	30	40	20	90	
Moderate	2-3	19327-26	09-23-055-25W5	WE	12-24-055-25W5	WILD RIVER	60									40	15	90	
Moderate	2-3	19121-2	11-14-055-25W5	PL	12-13-055-25W5	WILD RIVER	30	60						90	60	80	20	90	
Moderate	2-3	16740-18	05-33-055-25W5	WE	02-33-055-25W5	WILD RIVER	60									60	15	90	
Moderate	2-3	37971-2	16-36-055-26W5	WE	11-30-055-25W5	WILD RIVER	30									160	20	90	
Moderate	2-3	22864-12	09-13-055-26W5	WE	16-14-055-26W5	WILD RIVER	60									80	20	90	
Moderate	2-3	34600-1	08-35-055-26W5	WE	05-36-055-26W5	WILD RIVER	60									60	15	90	
Moderate	2-3	12144-6	01-02-054-03W4	BE	15-30-053-02W4	MARWAYNE										160	20	90	
Moderate	2-3	24125-24	06-06-054-05W4	PL	16-06-054-05W4	LINDBERGH	60									80	20	90	
Moderate	2-3	2253-16	07-04-054-06W4	BE	02-05-054-06W4	LINDBERGH										80	20	90	
Moderate	2-3	5734-28	11-20-054-06W4	PL	10-21-054-06W4	LINDBERGH	60									160	20	90	
Moderate	2-3	2457-30	15-19-054-06W4	PL	02-19-054-06W4	LINDBERGH	60									80	20	90	
Moderate	2-3	10723-1	06-33-054-08W4	BE	06-31-054-08W4	BEAUVALLON										160	20	90	
Moderate	2-3	13322-54	06-31-054-10W4	WE	06-32-054-10W4	DUVERNAY	30									80	20	90	
Moderate	2-3	12370-46	06-25-054-11W4	BE	10-24-054-11W4	DUVERNAY										80	20	90	
Moderate	2-3	18876-8	16-21-054-11W4	BE	13-22-054-11W4	DUVERNAY										40	15	90	
Moderate	2-3	4239-34	07-04-054-12W4	WE	10-34-053-12W4	PLAIN	60									160	20	90	
Moderate	2-3	22667-15	06-07-054-16W5	BE	15-12-054-17W5	EDSON										160	20	90	
Moderate	2-3	7065-16	14-05-054-16W5	WE	05-06-054-16W5	EDSON	30									160	20	90	
Moderate	2-3	25905-19	01-08-054-16W5	WE	14-05-054-16W5	EDSON	60	60						90	60	80	20	90	
Moderate	2-3	29550-137	01-04-054-20W5	WE	15-28-053-20W5	ANSELL	30									160	20	90	
Moderate	2-3	6595-136	05-19-054-21W5	WE	13-24-054-22W5	SUNDANCE	30									160	20	90	
Moderate	2-3	11075-1	02-12-054-21W5	WE	16-01-054-21W5	ANSELL	90									60	15	90	
Moderate	2-3	23870-1	11-25-054-21W5	WE	07-25-054-21W5	SUNDANCE	60	60						90	30	60	15	90	
Moderate	2-3	31740-1	13-24-054-22W5	WE	11-26-054-22W5	SUNDANCE	30	60				4		90	30	40	20	90	
Moderate	2-3	7538-1	02-34-054-22W5	PL	13-26-054-22W5	SUNDANCE	60									80	20	90	
Moderate	2-3	30980-1	04-31-054-22W5	PL	14-32-054-22W5	SUNDANCE	60									160	20	90	
Moderate	2-3	32655-2	04-18-054-22W5	WE	11-13-054-23W5	SUNDANCE	30									80	20	90	
Moderate	2-3	13002-7	10-11-054-23W5	WE	08-11-054-23W5	SUNDANCE	60									60	15	90	
Moderate	2-3	27409-20	09-16-054-23W5	WE	03-15-054-23W5	SUNDANCE	60									80	20	90	
Moderate	2-3	32681-27	10-17-054-23W5	WE	09-16-054-23W5	SUNDANCE	30									80	20	90	
Moderate	2-3	29389-1	11-13-054-23W5	WE	04-31-054-22W5	SUNDANCE	30						20			160	20	90	
Moderate	2-3	24499-24	14-27-054-24W5	WE	06-29-054-24W5	PEDLEY	30									160	20	90	
Moderate	2-3	4416-10	16-22-053-03W4	BE	05-26-053-03W4	MARWAYNE										80	20	90	
Moderate	2-3	5520-13	16-26-053-03W4	BE	08-26-053-03W4	MARWAYNE										60	15	90	
Moderate	2-3	13518-29	13-36-053-06W4	PL	10-01-054-06W4	LINDBERGH	30									80	20	90	
Moderate	2-3	8424-20	06-26-053-06W4	PL	03-26-053-06W4	LINDBERGH										80	10	90	
Moderate	2-3	7065-3	07-22-053-11W4	BE	11-20-053-11W4	PLAIN										80	20	90	
Moderate	2-3	12718-11	10-15-053-11W4	BE	07-22-053-11W4	PLAIN										80	20	90	
Moderate	2-3	4728-2	02-11-053-12W4	PL	10-02-053-12W4	PLAIN	60									80	20	90	
Moderate	2-3	3956-35	04-31-053-12W4	WE	07-30-053-12W4	PLAIN	30									160	20	90	
Moderate	2-3	11729-37	07-30-053-12W4	BE	05-05-054-12W4	PLAIN										160	20	90	
Moderate	2-3	17125-12	16-17-053-19W5	BE	10-16-053-19W5	EDSON										80	20	90	
Moderate	2-3	20112-1	10-07-053-19W5	BE	15-12-053-20W5	EDSON										160	20	90	
Moderate	2-3	11530-4	01-21-053-19W5	PL	10-16-053-19W5	EDSON	60									60	15	90	
Moderate	2-3	12489-3	06-01-053-20W5	WE	11-11-053-20W5	EDSON	30									160	20	90	
Moderate	2-3	16454-11	12-21-053-20W5	WE	13-16-053-20W5	ANSELL	60									80	20	90	
Moderate	2-3	4029-14	08-04-053-20W5	WE	11-02-053-20W5	ANSELL	30									160	20	90	
Moderate	2-3	26864-34	13-02-053-20W5	WE	11-02-053-20W5	EDSON	90									60	15	90	
Moderate	2-3	26192-36	07-01-053-20W5	WE	11-01-053-20W5	EDSON	90									60	15	90	
Moderate	2-3	12088-52	16-08-053-20W5	WE	12-09-053-20W5	ANSELL	60									60	15	90	
Moderate	2-3	20483-64	08-15-053-20W5	WE	15-15-053-20W5	ANSELL	30									80	20	90	
Moderate	2-3	19812-93	06-23-053-20W5	PL	04-23-053-20W5	ANSELL	60									80	20	90	
Moderate	2-3	36944-2	04-28-053-20W5	WE	12-28-053-20W5	ANSELL	60									60	15	90	
Moderate	2-3	7723-94	01-20-053-21W5	WE	04-20-053-21W5	SUNDANCE	30									80	20	90	
Moderate	2-3	12088-99	06-20-053-21W5	WE	03-19-053-21W5	SUNDANCE	30									160	20	90	
Moderate	2-3	3358-110	10-01-053-21W5	WE	14-01-053-21W5	EDSON	90									60	15	90	
Moderate	2-3	15111-136	16-04-053-21W5	BE	08-05-053-21W5	MEDICINE LODGE										160	20	90	
Moderate	2-3	9066-139	14-15-053-21W5	BE	16-04-053-21W5	ANSELL										80	20	90	
Moderate	2-3	5372-53	04-21-053-22W5	WE	02-21-053-22W5	SUNDANCE	60									60	15	90	
Moderate	2-3	23506-76	09-16-053-22W5	BE	03-16-053-22W5	SUNDANCE										80	15	90	
Moderate	2-3	19140-90	15-27-053-22W5	WE	15-21-053-22W5	ANSELL										160	20	90	
Moderate	2-3	24725-1	01-33-053-22W5	WE	15-27-053-22W5	SUNDANCE	30									80	20	90	
Moderate	2-3	9378-4	12-28-053-22W5	WE	02-28-053-22W5	SUNDANCE	30									40	20	90	
Moderate	2-3	13655-3	11-35-053-22W5	PL	15-27-053-22W5	SUNDANCE	60	60				4		90	30	40	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	31275-33	16-33-053-23W5	PL	07-33-053-23W5	SUNDANCE	60										40	20	90
Moderate	2-3	28055-29	14-20-053-24W5	WE	12-20-053-24W5	PEDLEY	60										40	15	90
Moderate	2-3	18967-18	01-12-053-25W5	WE	03-12-053-25W5	PEDLEY	60										60	15	90
Moderate	2-3	19120-5	11-06-052-07W4	BE	09-07-052-07W4	MANNVILLE											160	20	90
Moderate	2-3	31003-7	09-34-052-09W4	WE	12-35-052-09W4	BEAUVALLON	60										80	15	90
Moderate	2-3	46068-1	10-32-052-09W5	BE	01-33-052-09W5	BIGORAY											160	20	90
Moderate	2-3	21009-28	12-09-052-19W5	PL	06-10-052-19W5	ANSELL	60										80	20	90
Moderate	2-3	10075-34	02-30-052-19W5	WE	16-19-052-19W5	ANSELL	60										40	15	90
Moderate	2-3	10538-14	11-08-052-19W5	PL	06-18-052-19W5	ANSELL	60	60					90	30			80	20	90
Moderate	2-3	16117-18	16-19-052-19W5	PL	07-24-052-20W5	ANSELL	60	60					60	60			160	20	90
Moderate	2-3	6819-30	16-18-052-19W5	WE	11-18-052-19W5	ANSELL	60										60	15	90
Moderate	2-3	7439-36	12-30-052-19W5	WE	10-25-052-20W5	ANSELL	60	60					90	30			60	15	90
Moderate	2-3	39476-3	02-04-052-19W5	WE	06-04-052-19W5	ANSELL	60										60	15	90
Moderate	2-3	13158-4	11-07-052-19W5	WE	13-07-052-19W5	ANSELL	60										60	15	90
Moderate	2-3	11936-4	14-06-052-19W5	WE	04-07-052-19W5	ANSELL	60										60	15	90
Moderate	2-3	25990-2	16-06-052-19W5	WE	14-06-052-19W5	ANSELL	60	60						90	30		60	15	90
Moderate	2-3	17364-55	09-12-052-20W5	BE	13-07-052-19W5	ANSELL											80	15	90
Moderate	2-3	23882-1	07-09-052-20W5	WE	01-11-052-20W5	ANSELL	60										160	20	90
Moderate	2-3	10228-56	02-12-052-20W5	WE	01-11-052-20W5	ANSELL	30	60					12				80	20	90
Moderate	2-3	24796-84	01-10-052-20W5	WE	08-10-052-20W5	ANSELL	60										60	15	90
Moderate	2-3	10228-123	07-27-052-20W5	WE	01-27-052-20W5	ANSELL	60										60	15	90
Moderate	2-3	13638-126	08-28-052-20W5	WE	04-27-052-20W5	ANSELL	60										60	15	90
Moderate	2-3	14775-23	15-32-052-20W5	WE	08-04-053-20W5	ANSELL	60										160	20	90
Moderate	2-3	23170-77	11-34-052-20W5	WE	13-33-052-20W5	ANSELL	30										160	20	90
Moderate	2-3	34240-1	06-15-052-20W5	WE	08-10-052-20W5	ANSELL	30										80	20	90
Moderate	2-3	34638-7	03-14-052-20W5	WE	15-11-052-20W5	ANSELL	90										60	15	90
Moderate	2-3	12740-10	07-15-052-20W5	WE	06-15-052-20W5	ANSELL	60										60	15	90
Moderate	2-3	30258-11	10-15-052-20W5	WE	06-15-052-20W5	ANSELL	60										60	15	90
Moderate	2-3	21284-1	12-13-052-20W5	WE	11-13-052-20W5	ANSELL	60										60	15	90
Moderate	2-3	37347-2	07-13-052-20W5	WE	11-13-052-20W5	ANSELL	60										60	15	90
Moderate	2-3	6940-8	08-26-052-20W5	WE	04-25-052-20W5	ANSELL	60										60	15	90
Moderate	2-3	37457-3	11-12-052-20W5	WE	02-12-052-20W5	ANSELL	60										60	15	90
Moderate	2-3	26273-1	05-26-052-20W5	WE	01-27-052-20W5	ANSELL	90										60	15	90
Moderate	2-3	20391-1	15-13-052-20W5	WE	16-13-052-20W5	ANSELL	90										60	15	90
Moderate	2-3	22570-8	01-29-052-20W5	WE	10-20-052-20W5	ANSELL	60										80	15	90
Moderate	2-3	34920-10	03-19-052-20W5	WE	01-19-052-20W5	ANSELL	30										80	20	90
Moderate	2-3	6441-1	01-19-052-20W5	WE	04-17-052-20W5	MEDICINE LODGE	30										160	20	90
Moderate	2-3	11468-77	07-04-052-21W5	BE	16-05-052-21W5	MEDICINE LODGE											80	20	90
Moderate	2-3	5378-1	04-07-052-21W5	WE	14-06-052-21W5	MEDICINE LODGE	60	60									60	15	90
Moderate	2-3	37889-1	06-14-052-21W5	WE	09-09-052-21W5	MEDICINE LODGE	30							90	30		160	20	90
Moderate	2-3	41225-3	15-13-052-21W5	WE	04-17-052-20W5	MEDICINE LODGE	30										320	20	90
Moderate	2-3	22330-9	06-13-052-21W5	WE	09-13-052-21W5	MEDICINE LODGE	60										60	15	90
Moderate	2-3	7723-119	04-36-052-22W5	WE	14-25-052-22W5	MEDICINE LODGE	60										60	15	90
Moderate	2-3	40052-1	01-27-052-22W5	WE	02-26-052-22W5	MEDICINE LODGE	30										80	20	90
Moderate	2-3	19476-129	16-34-052-23W5	WE	04-34-052-23W5	DALEHURST	30										160	20	90
Moderate	2-3	24507-4	06-07-052-23W5	WE	07-12-052-24W5	PEPPERS	30										160	20	90
Moderate	2-3	22135-6	13-24-052-23W5	WE	05-36-052-23W5	DALEHURST	30										160	20	90
Moderate	2-3	43348-12	12-23-052-23W5	WE	08-23-052-23W5	DALEHURST	30										80	20	90
Moderate	2-3	6829-5	03-11-052-24W5	WE	02-12-052-24W5	PEPPERS	30										160	20	90
Moderate	2-3	23652-9	04-06-051-02W4	PL	04-18-051-02W4	LLOYDMINSTER	60										160	20	90
Moderate	2-3	36703-3	09-12-051-05W4	WE	10-06-051-04W4	MORGAN	60										160	20	90
Moderate	2-3	8119-25	05-17-051-06W4	WE	06-17-051-06W4	NORRIS	60										80	15	90
Moderate	2-3	33216-26	06-17-051-06W4	PL	05-17-051-06W4	NORRIS	60	60					4		90	30	40	15	90
Moderate	2-3	10830-1	07-20-051-08W4	BE	04-20-051-08W4	MANNVILLE											60	15	90
Moderate	2-3	25726-47	08-32-051-19W5	WE	10-33-051-19W5	ANSELL	60										80	20	90
Moderate	2-3	4339-70	15-20-051-19W5	WE	08-20-051-19W5	MEDICINE LODGE	60										80	20	90
Moderate	2-3	15498-91	10-29-051-19W5	WE	06-29-051-19W5	ANSELL	90										60	15	90
Moderate	2-3	7518-3	05-19-051-19W5	WE	13-19-051-19W5	ANSELL	60										60	15	90
Moderate	2-3	13536-1	01-19-051-19W5	WE	16-18-051-19W5	ANSELL	60										60	15	90
Moderate	2-3	15973-2	13-06-051-19W5	WE	03-18-051-19W5	ANSELL	30										160	20	90
Moderate	2-3	11147-41	03-35-051-20W5	WE	05-35-051-20W5	ANSELL	60										60	15	90
Moderate	2-3	12219-72	12-35-051-20W5	PL	11-35-051-20W5	ANSELL	90										60	15	90
Moderate	2-3	18007-74	14-36-051-20W5	WE	15-35-051-20W5	ANSELL	30										80	20	90
Moderate	2-3	20147-41	14-24-051-20W5	PL	07-18-051-19W5	ANSELL	30										160	20	90
Moderate	2-3	11158-121	14-24-051-20W5	PL	05-35-051-20W5	ANSELL	60						18				160	20	90
Moderate	2-3	7129-127	14-24-051-20W5	PL	05-35-051-20W5	ANSELL	30						18				160	20	90
Moderate	2-3	5137-1	08-31-051-20W5	WE	02-02-052-21W5	MEDICINE LODGE	60	60									160	20	90

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/Slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	38702-8	04-25-051-20W5	WE	04-25-051-20W5	ANSELL	60									60	15	90	
Moderate	2-3	33116-11	08-25-051-20W5	PL	11-25-051-20W5	ANSELL	90									60	15	90	
Moderate	2-3	6012-12	03-30-051-20W5	WE	06-36-051-21W5	ANSELL	30									160	20	90	
Moderate	2-3	7129-111	10-34-051-21W5	PL	01-34-051-21W5	MEDICINE LODGE	60									80	20	90	
Moderate	2-3	8368-131	01-34-051-21W5	PL	02-11-052-21W5	MEDICINE LODGE	60									160	20	90	
Moderate	2-3	6441-5	02-36-051-21W5	WE	09-36-051-21W5	MEDICINE LODGE	30									80	20	90	
Moderate	2-3	41654-6	09-36-051-21W5	PL	02-02-052-21W5	MEDICINE LODGE	60									160	20	90	
Moderate	2-3	37965-1	11-21-051-25W5	WE	15-20-051-25W5	HINTON	30									80	20	90	
Moderate	2-3	11864-2	10-20-051-25W5	WE	15-20-051-25W5	HINTON	60	60						90	30	60	15	90	
Moderate	2-3	10267-1	01-08-050-06W4	BE	11-32-049-06W4	WILDMERE										160	20	90	
Moderate	2-3	6429-7	11-24-050-07W5	BE	10-23-050-07W5	PEMBINA										80	20	90	
Moderate	2-3	18518-6	02-04-050-18W5	WE	05-03-050-18W5	ANSELL	60									60	15	90	
Moderate	2-3	11908-3	16-30-050-18W5	WE	03-30-050-18W5	ANSELL	60									80	20	90	
Moderate	2-3	19563-6	13-30-050-18W5	WE	03-30-050-18W5	ANSELL	60									80	20	90	
Moderate	2-3	20839-12	03-30-050-18W5	PL	16-19-050-18W5	ANSELL	60									80	20	90	
Moderate	2-3	9401-4	04-02-050-18W5	BE	05-03-050-18W5	EDSON										160	20	90	
Moderate	2-3	26151-3	13-20-050-20W5	WE	09-30-050-20W5	ANSELL	60									80	20	90	
Moderate	2-3	21330-1	16-35-050-25W5	BE	01-08-051-24W5	ANDERSON										80	20	90	
Moderate	2-3	22658-11	14-22-049-06W4	PL	11-22-049-06W4	RETLAW										80	10	90	
Moderate	2-3	12490-3	08-12-049-08W5	BE	10-13-049-08W5	PEMBINA										160	20	90	
Moderate	2-3	7012-4	04-22-049-08W5	BE	12-15-049-08W5	PEMBINA										80	20	90	
Moderate	2-3	12490-9	02-21-049-08W5	BE	09-16-049-08W5	PEMBINA										80	20	90	
Moderate	2-3	7150-1	13-07-049-17W5	WE	09-12-049-18W5	MINEHEAD	60									60	15	90	
Moderate	2-3	13618-11	04-13-049-18W5	WE	11-12-049-18W5	MINEHEAD	60									80	15	90	
Moderate	2-3	2885-8	04-01-049-18W5	PL	11-01-049-18W5	MINEHEAD	60									80	20	90	
Moderate	2-3	18176-9	04-01-049-18W5	BE	15-35-048-18W5	MINEHEAD										40	20	90	
Moderate	2-3	19414-7	13-34-049-18W5	WE	05-03-050-18W5	ANSELL	60									80	20	90	
Moderate	2-3	31491-2	04-25-049-18W5	WE	10-23-049-18W5	EDSON	30									160	20	90	
Moderate	2-3	20784-7	11-24-049-18W5	WE	06-24-049-18W5	MINEHEAD	60									60	15	90	
Moderate	2-3	28971-16	01-24-049-18W5	WE	09-13-049-18W5	MINEHEAD	60									60	15	90	
Moderate	2-3	8251-8	13-01-049-18W5	WE	15-01-049-18W5	MINEHEAD	60									80	20	90	
Moderate	2-3	14546-6	04-01-048-01W4	WE	06-36-047-01W4	RIVERCOURSE	30									80	20	90	
Moderate	2-3	13507-17	15-01-048-01W4	PL	15-01-048-01W4	TBC	60									40	15	90	
Moderate	2-3	27449-4	10-23-048-02W4	BE	11-23-048-02W4	LLOYDMINSTER										80	15	90	
Moderate	2-3	59398-1	04-29-048-03W4	WE	11-16-048-03W4	DIXONVILLE	30						14			80	20	90	
Moderate	2-3	19748-1	04-11-048-06W4	BE	10-11-048-06W4	WILDMERE										80	15	90	
Moderate	2-3	16942-5	13-12-048-08W4	BE	03-12-048-08W4	VIKING-KINSELLA										80	20	90	
Moderate	2-3	24372-6	08-12-048-08W4	BE	13-06-048-07W4	VIKING-KINSELLA										160	20	90	
Moderate	2-3	10631-5	14-35-048-16W5	BE	04-01-049-16W5	PECO										40	20	90	
Moderate	2-3	16283-2	03-24-048-16W5	BE	08-24-048-16W5	PECO										80	20	90	
Moderate	2-3	29515-10	16-30-048-17W5	WE	04-30-048-17W5	MINEHEAD	30	60						60	60	80	20	90	
Moderate	2-3	21263-12	16-18-048-17W5	WE	14-19-048-17W5	MINEHEAD	30	60						60	60	160	20	90	
Moderate	2-3	20222-11	11-15-048-17W5	WE	07-09-048-17W5	MINEHEAD	30									160	20	90	
Moderate	2-3	16049-19	12-03-048-17W5	WE	07-03-048-17W5	MINEHEAD	30									80	20	90	
Moderate	2-3	23432-20	05-20-048-17W5	PL	16-19-048-17W5	MINEHEAD	60	60						90	30	40	15	90	
Moderate	2-3	23381-3	09-32-048-17W5	WE	12-32-048-17W5	MINEHEAD	60									80	20	90	
Moderate	2-3	24357-1	07-03-048-17W5	WE	09-09-048-17W5	MINEHEAD	30	60						60	60	160	20	90	
Moderate	2-3	20318-1	06-08-048-17W5	BE	13-09-048-17W5	MINEHEAD										160	20	90	
Moderate	2-3	16820-9	16-24-048-18W5	BE	04-30-048-17W5	MINEHEAD										80	20	90	
Moderate	2-3	19287-3	07-27-047-17W5	PL	11-34-047-17W5	HANLAN	60									160	20	90	
Moderate	2-3	25542-4	16-26-047-17W5	WE	03-26-047-17W5	HANLAN	60									80	20	90	
Moderate	2-3	5062-2	14-11-046-01W5	WE	08-10-046-01W5	WESTEROSE	30	60						90	30	40	20	90	
Moderate	2-3	22449-2	05-16-046-01W5	BE	08-16-046-01W5	WESTEROSE										80	20	90	
Moderate	2-3	6456-4	06-34-046-05W4	BE	03-28-046-05W4	WAINWRIGHT										320	20	90	
Moderate	2-3	3576-11	10-21-046-09W4	PL	05-21-046-09W4	VIKING-KINSELLA										60	15	90	
Moderate	2-3	20318-4	12-14-046-23W4	BE	10-14-046-23W4	BITTERN LAKE										60	15	90	
Moderate	2-3	7583-24	16-28-046-26W4	WE	10-28-046-26W4	HONEYSUCKLE	90									80	15	90	
Moderate	2-3	6319-26	04-27-046-26W4	PL	13-22-046-26W4	HONEYSUCKLE	60	60						90	30	40	15	90	
Moderate	2-3	12441-33	04-01-046-27W4	WE	13-01-046-27W4	BONNIE GLEN	60									80	15	90	
Moderate	2-3	8076-49	11-06-046-27W4	PL	12-04-046-27W4	BONNIE GLEN	30	60						10		40	20	90	
Moderate	2-3	18727-3	06-30-045-01W5	BE	06-29-045-01W5	WESTEROSE										80	20	90	
Moderate	2-3	13129-1	16-18-045-01W5	WE	11-20-045-01W5	WESTEROSE										40	20	90	
Moderate	2-3	26220-2	14-06-045-02W5	WE	06-06-045-02W5	PEMBINA	60							90	30	40	15	90	
Moderate	2-3	21496-21	11-18-045-08W4	PL	06-18-045-08W4	VIKING-KINSELLA										80	10	90	
Moderate	2-3	30954-1	06-11-045-17W4	BE	15-01-045-17W4	HOLMBERG										160	20	90	
Moderate	2-3	6761-10	06-09-045-18W4	PL	04-03-045-18W4	HOLMBERG	30	60						4		80	20	90	
Moderate	2-3	5117-14	04-03-045-18W4	PL	11-34-044-18W4	HOLMBERG	90									60	15	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	17544-19	06-12-045-18W4	PL	08-12-045-18W4	HOLMBERG	30									80	20	90	
Moderate	2-3	18092-24	01-22-045-18W4	BE	10-15-045-18W4	BRUCE										80	15	90	
Moderate	2-3	15888-23	03-14-045-18W4	PL	09-11-045-18W4	HOLMBERG	60	60						90	60	80	20	90	
Moderate	2-3	17939-4	09-13-045-18W4	BE	13-18-045-17W4	HOLMBERG										60	15	90	
Moderate	2-3	17938-4	04-20-045-21W4	BE	06-20-045-21W4	DUHAMEL										80	15	90	
Moderate	2-3	9690-10	06-20-045-21W4	BE	03-29-045-21W4	DUHAMEL										80	20	90	
Moderate	2-3	10309-35	03-29-045-21W4	BE	03-32-045-21W4	DUHAMEL										160	20	90	
Moderate	2-3	12371-36	14-29-045-21W4	WE	03-32-045-21W4	DUHAMEL	60									40	10	90	
Moderate	2-3	5407-1	11-07-045-21W4	WE	04-07-045-21W4	DUHAMEL	60									120	15	90	
Moderate	2-3	16222-3	06-07-045-21W4	WE	04-07-045-21W4	DUHAMEL	60	60						90	30	40	10	90	
Moderate	2-3	35772-4	11-07-045-21W4	BE	06-07-045-21W4	DUHAMEL										40	10	90	
Moderate	2-3	27896-1	10-07-045-21W4	BE	04-07-045-21W4	DUHAMEL										80	20	90	
Moderate	2-3	11347-2	01-18-045-21W4	BE	10-07-045-21W4	DUHAMEL										120	15	90	
Moderate	2-3	3565-13	08-01-045-22W4	BE	02-01-045-22W4	NEW NORWAY										60	15	90	
Moderate	2-3	24789-6	08-01-045-22W4	BE	02-01-045-22W4	NEW NORWAY										40	10	90	
Moderate	2-3	28216-1	11-32-045-23W4	WE	06-32-045-23W4	WETASKIWIN	60									80	15	90	
Moderate	2-3	4498-3	05-30-045-23W4	WE	16-30-045-23W4	WETASKIWIN	60									160	20	90	
Moderate	2-3	11136-16	03-17-045-24W4	WE	03-05-045-24W4	WETASKIWIN	60									160	20	90	
Moderate	2-3	19605-13	05-17-045-27W4	WE	16-18-045-27W4	FERRYBANK	30									80	20	90	
Moderate	2-3	35564-3	10-01-045-28W4	WE	06-36-044-28W4	FERRYBANK	60	60				4		90	30	40	20	90	
Moderate	2-3	6774-5	12-11-045-28W4	WE	06-12-045-28W4	FERRYBANK	60	60				4		90	30	40	20	90	
Moderate	2-3	13676-9	02-04-044-02W4	BE	13-31-043-02W4	CHAUVIN SOUTH										160	20	90	
Moderate	2-3	15548-6	03-22-044-02W5	WE	07-22-044-02W5	PEMBINA	60									60	15	90	
Moderate	2-3	24680-9	07-22-044-02W5	WE	07-27-044-02W5	PEMBINA	60									160	20	90	
Moderate	2-3	13080-13	14-18-044-02W5	WE	11-20-044-02W5	PEMBINA	30									160	20	90	
Moderate	2-3	21947-1	12-32-044-02W5	WE	10-29-044-02W5	PEMBINA	30									160	20	90	
Moderate	2-3	20182-1	02-26-044-02W5	WE	10-26-044-02W5	PEMBINA	30	60						90	60	80	20	90	
Moderate	2-3	12936-4	14-06-044-03W5	PL	06-12-044-04W5	PEMBINA	60									160	20	90	
Moderate	2-3	18978-1	16-06-044-03W5	WE	14-06-044-03W5	PEMBINA	60	60						90	30	60	15	90	
Moderate	2-3	4744-8	12-02-044-03W5	B	07-03-044-03W5	PEMBINA	60									80	20	90	
Moderate	2-3	6221-1	06-03-044-03W5	BE	12-02-044-03W5	PEMBINA										80	20	90	
Moderate	2-3	16464-5	03-12-044-04W5	WE	02-12-044-04W5	PEMBINA	60									60	15	90	
Moderate	2-3	7761-7	03-12-044-04W5	WE	02-12-044-04W5	PEMBINA	60									60	15	90	
Moderate	2-3	6476-76	03-31-044-08W4	BE	07-19-044-08W4	KILLAM										160	20	90	
Moderate	2-3	2933-3	16-19-044-17W4	BE	12-20-044-17W4	HOLMBERG										60	15	90	
Moderate	2-3	16377-5	16-20-044-17W4	BE	11-20-044-17W4	HOLMBERG										60	15	90	
Moderate	2-3	6599-1	16-24-044-18W4	BE	16-19-044-17W4	HOLMBERG										80	20	90	
Moderate	2-3	18821-8	10-25-044-18W4	BE	16-24-044-18W4	HOLMBERG										80	20	90	
Moderate	2-3	9761-7	10-36-044-22W4	BE	11-36-044-22W4	NEW NORWAY										40	10	90	
Moderate	2-3	7495-10	07-36-044-22W4	BE	10-36-044-22W4	NEW NORWAY										40	10	90	
Moderate	2-3	11726-1	15-36-044-22W4	BE	02-01-045-22W4	NEW NORWAY										80	15	90	
Moderate	2-3	16961-2	06-36-044-22W4	BE	10-36-044-22W4	NEW NORWAY										80	15	90	
Moderate	2-3	5000-1	03-36-044-22W4	BE	10-36-044-22W4	NEW NORWAY										160	20	90	
Moderate	2-3	43585-12	16-20-044-23W4	PL	13-22-044-23W4	DYBERG	60	60				4		90	30	40	20	90	
Moderate	2-3	37210-1	04-21-044-24W4	BE	04-21-044-24W4	SAMSON										20	10	90	
Moderate	2-3	13969-3	10-15-044-24W4	BE	11-11-044-24W4	SAMSON										80	20	90	
Moderate	2-3	16763-10	07-20-044-24W4	BE	07-21-044-24W4	WETASKIWIN										40	20	90	
Moderate	2-3	16208-1	12-05-044-25W4	BE	11-06-044-25W4	CHIGWELL										160	20	90	
Moderate	2-3	4767-7	04-28-044-26W4	BE	14-21-044-26W4	CHIGWELL										60	15	90	
Moderate	2-3	22011-19	06-20-044-27W4	WE	08-19-044-27W4	FERRYBANK	30									80	20	90	
Moderate	2-3	45152-13	14-14-044-28W4	BE	15-24-044-28W4	FERRYBANK										80	20	90	
Moderate	2-3	34993-20	06-36-044-28W4	PL	03-31-044-27W4	FERRYBANK	60	60				4		90	30	40	20	90	
Moderate	2-3	28994-3	07-30-043-02W5	WE	01-30-043-02W5	PEMBINA	90									60	15	90	
Moderate	2-3	6422-4	10-21-043-04W5	BE	09-21-043-04W5	PEMBINA										40	15	90	
Moderate	2-3	13834-2	10-15-043-09W4	BE	15-11-043-09W4	KILLAM										80	20	90	
Moderate	2-3	17429-12	11-09-043-09W4	PL	06-09-043-09W4	NIPISI										80	10	90	
Moderate	2-3	8766-6	16-33-043-22W4	PL	10-29-043-22W4	MALMO	60	60				4		90	30	40	20	90	
Moderate	2-3	31008-5	09-30-043-22W4	PL	10-29-043-22W4	MALMO	60									80	20	90	
Moderate	2-3	24147-3	05-33-043-23W4	BE	07-33-043-23W4	WOOD RIVER										60	15	90	
Moderate	2-3	10490-8	16-14-043-24W4	BE	06-13-043-24W4	WOOD RIVER										80	20	90	
Moderate	2-3	7380-2	01-23-043-27W4	WE	10-14-043-27W4	FERRYBANK	60									80	15	90	
Moderate	2-3	29088-3	13-11-043-27W4	WE	10-14-043-27W4	FERRYBANK	60									160	20	90	
Moderate	2-3	7763-1	06-18-042-02W5	WE	15-06-042-02W5	PEMBINA	30									160	20	90	
Moderate	2-3	23429-13	10-05-042-06W5	WE	16-32-041-06W5	WILLESDEN GREEN	60									80	20	90	
Moderate	2-3	18835-16	08-05-042-06W5	WE	16-32-041-06W5	WILLESDEN GREEN	90									40	15	90	
Moderate	2-3	25267-21	05-05-042-06W5	WE	10-05-042-06W5	WILLESDEN GREEN	90									60	15	90	
Moderate	2-3	11329-6	03-29-042-09W4	BE	04-29-042-09W4	KILLAM										80	10	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	10190-1	03-29-042-09W4	PL	14-20-042-09W4	KILLAM										80	10	90	
Moderate	2-3	23400-2	14-20-042-09W4	PL	03-29-042-09W4	KILLAM										80	10	90	
Moderate	2-3	20758-3	03-29-042-09W4	PL	04-29-042-09W4	KILLAM										80	10	90	
Moderate	2-3	14257-3	14-20-042-09W4	BE	03-29-042-09W4	KILLAM										80	10	90	
Moderate	2-3	28947-4	14-20-042-09W4	BE	03-29-042-09W4	KILLAM										80	10	90	
Moderate	2-3	20335-6	13-02-042-09W5	WE	08-03-042-09W5	FERRIER	60									60	15	90	
Moderate	2-3	29880-7	03-23-042-09W5	WE	13-15-042-09W5	WILLESSEN GREEN	60									160	20	90	
Moderate	2-3	6640-8	13-15-042-09W5	PL	16-16-042-09W5	FERRIER	90									60	15	90	
Moderate	2-3	20750-14	03-15-042-09W5	WE	13-15-042-09W5	FERRIER	30									80	20	90	
Moderate	2-3	39010-16	06-11-042-09W5	WE	12-11-042-09W5	FERRIER	90									60	15	90	
Moderate	2-3	27939-1	16-20-042-13W4	BE	06-28-042-13W4	KILLAM										80	20	90	
Moderate	2-3	27396-1	04-04-042-18W4	BE	07-05-042-18W4	DONALDA										80	20	90	
Moderate	2-3	8109-1	02-36-042-25W4	BE	10-31-042-24W4	CHIGWELL										80	20	90	
Moderate	2-3	7049-1	03-24-042-27W4	BE	14-15-042-27W4	MORNINGSIDE										160	20	90	
Moderate	2-3	27315-2	09-16-042-27W4	WE	14-15-042-27W4	MORNINGSIDE	60									80	15	90	
Moderate	2-3	19892-1	09-15-042-28W4	PL	08-09-042-28W4	MORNINGSIDE	60									160	20	90	
Moderate	2-3	38613-6	14-22-042-28W4	WE	06-22-042-28W4	MORNINGSIDE	30									80	20	90	
Moderate	2-3	28472-7	13-27-042-28W4	WE	09-27-042-28W4	MORNINGSIDE	60									80	20	90	
Moderate	2-3	16381-8	11-15-042-28W4	WE	09-15-042-28W4	MORNINGSIDE	60									80	15	90	
Moderate	2-3	17983-2	08-15-041-01W4	WE	08-16-041-01W4	HAYTER										160	20	90	
Moderate	2-3	15286-2	06-31-041-06W5	WE	16-31-041-06W5	WILLESSEN GREEN	60									40	20	90	
Moderate	2-3	6431-6	07-28-041-06W5	WE	01-33-041-06W5	WILLESSEN GREEN	30	60						90	30	40	20	90	
Moderate	2-3	31239-9	16-32-041-06W5	WE	01-33-041-06W5	WILLESSEN GREEN	30									160	20	90	
Moderate	2-3	11485-10	04-27-041-06W5	WE	07-27-041-06W5	WILLESSEN GREEN	60	60								40	15	90	
Moderate	2-3	42725-12	03-33-041-06W5	WE	01-33-041-06W5	WILLESSEN GREEN	60									80	20	90	
Moderate	2-3	5972-14	15-29-041-06W5	WE	03-33-041-06W5	WILLESSEN GREEN	30									80	20	90	
Moderate	2-3	25726-18	09-27-041-06W5	WE	07-27-041-06W5	WILLESSEN GREEN	60									80	20	90	
Moderate	2-3	9545-11	09-08-041-08W5	WE	12-08-041-08W5	FERRIER	60									80	20	90	
Moderate	2-3	27390-13	11-20-041-08W5	WE	09-17-041-08W5	FERRIER	30									160	20	90	
Moderate	2-3	11190-1	08-34-041-09W5	PL	02-03-042-09W5	FERRIER	60	60						90	30	40	20	90	
Moderate	2-3	13277-3	01-20-041-25W4	BE	01-17-041-25W4	CHIGWELL										160	20	90	
Moderate	2-3	40944-1	06-18-040-08W5	WE	11-18-040-08W5	FERRIER	90									60	15	90	
Moderate	2-3	9826-4	10-18-040-08W5	WE	11-18-040-08W5	FERRIER	60									60	15	90	
Moderate	2-3	20062-5	02-19-040-08W5	WE	06-19-040-08W5	FERRIER	60									60	15	90	
Moderate	2-3	7857-32	15-26-040-09W5	WE	11-26-040-09W5	FERRIER	30									80	20	90	
Moderate	2-3	46837-10	09-11-040-10W5	WE	08-14-040-10W5	FERRIER	60									40	20	90	
Moderate	2-3	37808-14	05-01-040-10W5	PL	03-12-040-10W5	FERRIER	60									80	20	90	
Moderate	2-3	47402-19	14-14-040-10W5	WE	08-14-040-10W5	FERRIER	60									60	15	90	
Moderate	2-3	21252-3	16-29-040-11W5	WE	13-28-040-11W5	CHAMBERS	60									80	15	90	
Moderate	2-3	51317-1	03-36-040-12W5	WE	12-36-040-12W5	CHAMBERS	60									60	15	90	
Moderate	2-3	11862-14	02-01-040-19W4	BE	16-36-039-19W4	LEAHURST										40	15	90	
Moderate	2-3	8249-16	13-22-040-25W4	BE	15-21-040-25W4	CHIGWELL										80	20	90	
Moderate	2-3	30772-1	15-25-039-01W5	BE	09-36-039-01W5	PREVO										60	15	90	
Moderate	2-3	17595-2	07-02-039-06W5	BE	11-23-039-06W5	WILLESSEN GREEN										160	40	60	
Moderate	2-3	5029-3	14-18-039-07W5	PL	01-20-039-07W5	FERRIER	30	60						90	30	40	20	90	
Moderate	2-3	16770-3	12-06-039-07W5	PL	14-05-039-07W5	FERRIER	30									80	20	90	
Moderate	2-3	24728-27	06-10-039-07W5	BE	10-10-039-07W5	FERRIER										40	15	90	
Moderate	2-3	17428-4	08-27-039-07W5	BE	02-23-039-07W5	FERRIER										40	20	90	
Moderate	2-3	40479-5	10-32-039-07W5	WE	11-33-039-07W5	FERRIER	60	60						90	30	40	20	90	
Moderate	2-3	37668-6	10-14-039-07W5	BE	15-14-039-07W5	FERRIER										40	15	90	
Moderate	2-3	53972-21	12-32-039-07W5	WE	10-32-039-07W5	FERRIER	60									40	15	90	
Moderate	2-3	9054-3	06-21-039-07W5	BE	04-21-039-07W5	FERRIER										80	15	90	
Moderate	2-3	15556-1	05-27-039-08W5	BE	09-22-039-08W5	FERRIER										80	20	90	
Moderate	2-3	28771-1	07-11-039-08W5	BE	14-02-039-08W5	FERRIER										160	20	90	
Moderate	2-3	42708-5	14-02-039-08W5	PL	10-11-039-08W5	FERRIER	30									80	20	90	
Moderate	2-3	17982-8	01-10-039-08W5	PL	14-02-039-08W5	FERRIER	90									40	15	90	
Moderate	2-3	55072-9	04-09-039-08W5	BE	11-09-039-08W5	FERRIER										80	20	90	
Moderate	2-3	42157-2	06-12-039-08W5	PL	12-12-039-08W5	FERRIER	60	60						90	30	40	15	90	
Moderate	2-3	19111-3	12-12-039-08W5	PL	09-22-039-08W5	FERRIER	60	60						90	30	40	20	90	
Moderate	2-3	25572-56	11-08-039-20W4	BE	04-08-039-20W4	ERSKINE										120	15	90	
Moderate	2-3	27561-58	14-08-039-20W4	BE	11-08-039-20W4	ERSKINE										120	15	90	
Moderate	2-3	45887-1	14-06-039-20W4	BE	15-06-039-20W4	ERSKINE										60	15	90	
Moderate	2-3	5744-30	07-27-039-21W4	BE	15-22-039-21W4	ERSKINE										80	20	90	
Moderate	2-3	6329-66	07-12-039-21W4	PL	03-12-039-21W4	ERSKINE	60									40	15	90	
Moderate	2-3	8568-79	16-14-039-21W4	BE	11-13-039-21W4	ERSKINE								90	30	40	15	90	
Moderate	2-3	33217-1	01-36-039-22W4	WE	02-36-039-22W4	NEVIS	90									80	15	90	
Moderate	2-3	6331-4	10-30-039-26W4	BE	11-31-039-26W4	JOFFRE										40	20	90	

RISK CLASS	5x5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/Slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	18581-12	14-26-039-28W4	PL	16-32-039-28W4	GILBY	30									160	20	90	
Moderate	2-3	29303-7	02-13-038-01W4	BE	09-12-038-01W4	PROVOST										80	20	90	
Moderate	2-3	36647-1	10-25-038-02W4	BE	01-26-038-02W4	PROVOST										80	20	90	
Moderate	2-3	18756-4	10-09-038-07W5	PL	03-22-038-07W5	Everdell - 3rd Party	30	60						60	60	320	20	90	
Moderate	2-3	1875-7	03-22-038-07W5	S	04-22-038-07W5	FERRIER	90									40	10	90	
Moderate	2-3	20933-3	08-17-038-07W5	PL	11-20-038-07W5	FERRIER	30									160	20	90	
Moderate	2-3	16756-2	09-31-038-07W5	PL	10-36-038-08W5	FERRIER	60									80	20	90	
Moderate	2-3	36193-1	05-31-038-07W5	WE	10-36-038-08W5	FERRIER	30									80	20	90	
Moderate	2-3	21359-39	09-07-038-07W5	B	09-18-038-07W5	FERRIER	60	60				4		90	30	160	20	90	
Moderate	2-3	49463-23	11-35-038-08W5	S	10-36-038-08W5	FERRIER	60	60				15		90	30	160	20	90	
Moderate	2-3	35412-7	10-25-038-08W5	WE	02-36-038-08W5	FERRIER	60									40	15	90	
Moderate	2-3	16955-27	07-04-038-17W4	BE	03-04-038-17W4	HALKIRK										120	15	90	
Moderate	2-3	6818-32	02-06-038-17W4	BE	10-31-037-17W4	HALKIRK										120	15	90	
Moderate	2-3	26291-2	08-24-038-18W4	BE	16-13-038-18W4	LEAHURST										60	15	90	
Moderate	2-3	14094-3	10-24-038-18W4	BE	08-24-038-18W4	LEAHURST										60	15	90	
Moderate	2-3	7576-3	04-36-038-23W4	WE	14-25-038-23W4	NEVIS	60	60				4		90	30	40	15	90	
Moderate	2-3	10289-13	10-19-038-26W4	PL	10-18-038-26W4	JOFFRE	60	60				4		90	30	40	20	90	
Moderate	2-3	2057-14	10-18-038-26W4	BE	10-19-038-26W4	JOFFRE										80	20	90	
Moderate	2-3	15086-15	13-36-038-27W4	PL	14-36-038-27W4	JOFFRE	90									60	15	90	
Moderate	2-3	11445-163	04-36-038-27W4	PL	02-35-038-27W4	JOFFRE	60	60								40	15	90	
Moderate	2-3	15755-55	16-32-037-07W5	S	03-05-038-07W5	Everdell - 3rd Party	30	60				4		90	30	320	20	90	
Moderate	2-3	3630-5	12-10-037-14W4	WE	06-10-037-14W4	PROVOST	60									80	15	90	
Moderate	2-3	23603-17	11-31-037-17W4	BE	10-31-037-17W4	HALKIRK										40	10	90	
Moderate	2-3	23341-18	14-31-037-17W4	BE	10-31-037-17W4	HALKIRK										40	10	90	
Moderate	2-3	24127-27	12-31-037-17W4	BE	07-31-037-17W4	HALKIRK										120	15	90	
Moderate	2-3	22029-30	05-31-037-17W4	BE	12-31-037-17W4	HALKIRK										40	10	90	
Moderate	2-3	12588-35	11-31-037-17W4	BE	07-31-037-17W4	HALKIRK										120	15	90	
Moderate	2-3	9959-1	08-13-037-17W4	WE	06-18-037-16W4	HALKIRK	30									80	20	90	
Moderate	2-3	25439-4	03-36-037-18W4	BE	06-36-037-18W4	HALKIRK										40	10	90	
Moderate	2-3	16260-6	10-25-037-18W4	BE	16-25-037-18W4	HALKIRK										120	15	90	
Moderate	2-3	18358-10	01-36-037-18W4	BE	08-36-037-18W4	HALKIRK										40	10	90	
Moderate	2-3	13375-12	10-36-037-18W4	BE	08-36-037-18W4	HALKIRK										120	15	90	
Moderate	2-3	48898-2	02-04-037-19W4	BE	10-10-037-19W4	GADSBY										40	20	90	
Moderate	2-3	33160-3	11-11-037-19W4	BE	10-10-037-19W4	GADSBY										40	20	90	
Moderate	2-3	8172-26	13-04-037-25W4	GP	08-07-037-25W4	THREE HILLS CREEK	60	60				4		90	30	40	20	90	
Moderate	2-3	13606-9	16-09-037-26W4	BE	08-16-037-26W4	JOFFRE										120	15	90	
Moderate	2-3	14185-20	14-16-037-26W4	BE	08-20-037-26W4	JOFFRE										160	20	90	
Moderate	2-3	19686-21	08-20-037-26W4	BE	06-20-037-26W4	JOFFRE										120	15	90	
Moderate	2-3	25186-25	08-19-037-26W4	BE	05-19-037-26W4	JOFFRE										160	20	90	
Moderate	2-3	9843-48	13-19-037-26W4	BE	05-19-037-26W4	JOFFRE										120	15	90	
Moderate	2-3	32598-5	14-34-036-19W4	BE	05-03-037-19W4	GADSBY										40	20	90	
Moderate	2-3	17423-6	05-34-036-19W4	BE	14-34-036-19W4	GADSBY										60	15	90	
Moderate	2-3	7924-38	04-32-036-23W4	WE	04-06-037-23W4	MIKWAN	30									160	20	90	
Moderate	2-3	22110-64	14-36-036-26W4	WE	04-01-037-26W4	THREE HILLS CREEK	60									80	15	90	
Moderate	2-3	19219-2	07-06-035-13W4	PL	04-31-034-13W4	SULLIVAN LAKE	60									160	20	90	
Moderate	2-3	4034-69	06-27-035-17W4	WE	16-27-035-17W4	LEO	60									80	15	90	
Moderate	2-3	18029-4	16-17-035-17W4	BE	11-20-035-17W4	LEO										40	20	90	
Moderate	2-3	20304-1	10-30-035-26W4	BE	12-29-035-26W4	THREE HILLS CREEK										60	15	90	
Moderate	2-3	3289-75	06-11-034-11W4	WE	16-03-034-11W4	PROVOST	60									160	20	90	
Moderate	2-3	14954-109	13-11-034-11W4	WE	06-11-034-11W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	12561-125	14-03-034-11W4	WE	06-03-034-11W4	PROVOST	90									80	15	90	
Moderate	2-3	15253-136	01-02-034-11W4	WE	09-02-034-11W4	PROVOST	60									80	20	90	
Moderate	2-3	6579-152	13-10-034-11W4	WE	10-10-034-11W4	PROVOST	90									80	15	90	
Moderate	2-3	7528-24	16-17-034-12W4	PL	08-17-034-12W4	GARDEN PLAINS	60	60						90	60	80	20	90	
Moderate	2-3	22874-130	16-09-034-12W4	PL	08-17-034-12W4	GARDEN PLAINS	60									160	20	90	
Moderate	2-3	24901-97	11-01-034-13W4	WE	03-01-034-13W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	21426-125	08-23-034-13W4	WE	16-23-034-13W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	20847-127	13-13-034-13W4	WE	16-14-034-13W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	18308-1	04-29-034-13W4	BE	01-28-034-13W4	SULLIVAN LAKE										160	20	90	
Moderate	2-3	15777-1	02-11-034-20W4	WE	10-11-034-20W4	RICH	90									80	15	90	
Moderate	2-3	9015-2	10-11-034-20W4	PL	11-11-034-20W4	RICH	90									60	15	90	
Moderate	2-3	41637-1	10-14-034-20W4	PL	02-14-034-20W4	RICH	60	60								80	15	90	
Moderate	2-3	12793-9	07-25-034-21W4	BE	01-30-034-20W4	RICH								90	60	320	20	90	
Moderate	2-3	6879-56	16-30-033-11W4	WE	06-30-033-11W4	GARDEN PLAINS	60	60								80	15	90	
Moderate	2-3	4785-106	13-30-033-11W4	WE	16-30-033-11W4	GARDEN PLAINS	60									160	20	90	
Moderate	2-3	18506-166	08-16-033-11W4	WE	06-16-033-11W4	PROVOST	60									80	15	90	
Moderate	2-3	26781-4	15-27-033-11W4	BE	10-26-033-11W4	PROVOST										80	20	90	

							STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	17250-7	14-06-033-12W4	WE	15-06-033-12W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	5008-8	11-18-033-12W4	WE	14-18-033-12W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	5843-10	15-06-033-12W4	PL	10-07-033-12W4	GARDEN PLAINS	60	60			4			90	30	40	20	90	
Moderate	2-3	5084-22	16-11-033-12W4	WE	04-11-033-12W4	GARDEN PLAINS	30									160	20	90	
Moderate	2-3	14655-35	03-04-033-12W4	PL	16-09-033-12W4	GARDEN PLAINS	60						17			80	20	90	
Moderate	2-3	11066-40	06-23-033-12W4	WE	09-14-033-12W4	GARDEN PLAINS	60	60			4			90	30	40	20	90	
Moderate	2-3	23329-47	06-15-033-12W4	WE	10-16-033-12W4	GARDEN PLAINS	60									80	20	90	
Moderate	2-3	27516-95	08-04-033-12W4	WE	16-04-033-12W4	GARDEN PLAINS	60									80	15	90	
Moderate	2-3	12262-118	14-36-033-12W4	WE	16-36-033-12W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	23927-151	01-30-033-12W4	WE	16-19-033-12W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	11919-197	01-06-033-12W4	WE	06-06-033-12W4	GARDEN PLAINS	60									80	15	90	
Moderate	2-3	25123-142	06-10-033-13W4	WE	08-10-033-13W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	4391-13	16-21-033-13W4	WE	16-16-033-13W4	GARDEN PLAINS	60	60			4			90	30	40	20	90	
Moderate	2-3	28354-14	06-04-033-13W4	WE	06-09-033-13W4	GARDEN PLAINS	60									160	20	90	
Moderate	2-3	13759-1	08-05-033-13W4	WE	06-04-033-13W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	9723-213	13-03-033-14W4	WE	01-09-033-14W4	HANNA	90									80	15	90	
Moderate	2-3	20074-215	15-04-033-14W4	WE	16-04-033-14W4	HANNA	90									80	15	90	
Moderate	2-3	7785-9	16-14-033-14W4	WE	06-14-033-14W4	HANNA	90									80	15	90	
Moderate	2-3	2548-28	13-34-033-17W4	WE	13-03-034-17W4	LEO	60									160	20	90	
Moderate	2-3	19973-1	08-31-033-19W4	BE	16-36-033-20W4	DELIA										160	20	90	
Moderate	2-3	22697-2	16-28-033-20W4	BE	14-34-033-20W4	ROWLEY										320	20	90	
Moderate	2-3	3858-41	10-24-033-20W4	PL	14-23-033-20W4	ROWLEY	60						17			80	20	90	
Moderate	2-3	18613-1	07-25-033-20W4	WE	10-24-033-20W4	ROWLEY	60									80	20	90	
Moderate	2-3	23245-1	16-29-033-20W4	BE	08-32-033-20W4	ROWLEY										60	15	90	
Moderate	2-3	7034-5	13-13-033-21W4	PL	10-13-033-21W4	TROCHU	60									80	20	90	
Moderate	2-3	37909-8	13-13-033-21W4	BE	07-23-033-21W4	TROCHU										80	20	90	
Moderate	2-3	40201-1	05-22-033-21W4	BE	14-15-033-21W4	RUMSEY										80	20	90	
Moderate	2-3	37178-17	04-03-033-21W4	WE	13-03-033-21W4	TROCHU	60									80	20	90	
Moderate	2-3	37810-4	04-09-033-21W4	WE	10-09-033-21W4	TROCHU	90									80	15	90	
Moderate	2-3	13576-2	16-18-032-12W4	WE	16-09-032-12W4	RICHDALE	60						16			160	20	90	
Moderate	2-3	19093-4	16-27-032-12W4	PL	15-21-032-12W4	GARDEN PLAINS	60									160	20	90	
Moderate	2-3	21186-5	06-20-032-12W4	WE	16-20-032-12W4	GARDEN PLAINS	60	60						90	60	80	15	90	
Moderate	2-3	14908-6	16-20-032-12W4	WE	06-21-032-12W4	GARDEN PLAINS	60	60						60	60	160	20	90	
Moderate	2-3	23017-11	13-27-032-12W4	WE	06-27-032-12W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	11770-13	13-34-032-12W4	WE	15-33-032-12W4	GARDEN PLAINS	60									160	20	90	
Moderate	2-3	20637-41	14-35-032-12W4	WE	06-02-033-12W4	GARDEN PLAINS	60	60						60	60	80	20	90	
Moderate	2-3	30425-159	08-27-032-12W4	WE	06-27-032-12W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	19761-192	14-20-032-12W4	WE	06-20-032-12W4	GARDEN PLAINS	90									80	15	90	
Moderate	2-3	30207-9	16-08-032-13W4	WE	06-08-032-13W4	HANNA	60									80	20	90	
Moderate	2-3	23121-14	06-06-032-13W4	PL	14-06-032-13W4	HANNA	90									60	15	90	
Moderate	2-3	13811-16	02-17-032-14W4	WE	16-07-032-14W4	HANNA	30	60			4			90	30	40	20	90	
Moderate	2-3	25123-166	03-06-032-14W4	WE	16-31-031-14W4	HANNA	90									80	15	90	
Moderate	2-3	25407-43	06-33-032-14W4	WE	13-34-032-14W4	HANNA	60	60			4			90	30	40	20	90	
Moderate	2-3	22897-138	08-10-032-14W4	WE	06-10-032-14W4	HANNA	90									80	15	90	
Moderate	2-3	28230-149	01-33-032-14W4	PL	15-28-032-14W4	HANNA	90									60	15	90	
Moderate	2-3	15997-150	15-28-032-14W4	WE	06-28-032-14W4	HANNA	60									80	20	90	
Moderate	2-3	27223-4	16-02-032-14W4	BE	06-02-032-14W4	HANNA										160	20	90	
Moderate	2-3	27969-7	06-03-032-14W4	BE	06-02-032-14W4	HANNA										80	20	90	
Moderate	2-3	8204-18	16-03-032-14W4	BE	06-02-032-14W4	HANNA										160	20	90	
Moderate	2-3	32246-46	06-06-032-15W4	BE	16-31-031-15W4	DOWLING LAKE										80	20	90	
Moderate	2-3	30112-175	08-14-032-16W4	WE	06-13-032-16W4	CRAIGMYLE	90									80	15	90	
Moderate	2-3	22935-1	11-03-032-16W4	WE	16-03-032-16W4	CRAIGMYLE	90									80	15	90	
Moderate	2-3	36740-14	02-36-032-21W4	WE	04-36-032-21W4	ROWLEY	90									80	15	90	
Moderate	2-3	7435-19	04-36-032-21W4	CS	10-23-032-21W4	ROWLEY	60									160	20	90	
Moderate	2-3	25806-20	10-23-032-21W4	PL	10-24-032-21W4	ROWLEY	30									80	20	90	
Moderate	2-3	33308-1	07-21-032-21W4	WE	14-21-032-21W4	TROCHU	60									80	15	90	
Moderate	2-3	9900-2	06-30-032-22W4	BE	08-30-032-22W4	GHOST PINE										80	20	90	
Moderate	2-3	19348-9	11-29-032-22W4	BE	09-29-032-22W4	GHOST PINE										80	15	90	
Moderate	2-3	2418-20	16-17-032-22W4	BE	08-20-032-22W4	GHOST PINE										80	15	90	
Moderate	2-3	1611-1	06-32-032-24W4	BE	06-31-032-24W4	TWINING										40	20	90	
Moderate	2-3	15974-1	06-29-032-24W4	BE	06-31-032-24W4	TWINING										160	20	90	
Moderate	2-3	37077-43	16-27-032-25W4	BE	16-22-032-25W4	TWINING										160	20	90	
Moderate	2-3	1489-5	04-10-031-01W4	WE	06-09-031-01W4	ESTHER	60									80	20	90	
Moderate	2-3	25560-1	11-06-031-01W4	BE	11-08-031-01W4	ESTHER										320	20	90	
Moderate	2-3	12154-34	11-22-031-02W4	WE	14-22-031-02W4	ESTHER	60	60			4			90	30	20	10	90	
Moderate	2-3	6438-28	04-02-031-04W4	PL	12-26-030-04W4	SEDALIA	60	60			4			90	30	40	20	90	
Moderate	2-3	11783-56	08-11-031-05W4	BE	11-11-031-05W4	SEDALIA										40	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	4034-4	16-09-031-11W4	PL	08-04-031-11W4	RACOSTA	60	60						60	60	80	20	90	
Moderate	2-3	14432-8	06-10-031-11W4	WE	14-10-031-11W4	RACOSTA	60	60				4		90	30	40	15	90	
Moderate	2-3	34059-33	07-14-031-11W4	BE	06-10-031-11W4	RACOSTA										40	20	90	
Moderate	2-3	27289-179	14-29-031-13W4	WE	16-29-031-13W4	HANNA	90									80	15	90	
Moderate	2-3	19447-180	08-29-031-13W4	WE	06-29-031-13W4	HANNA	60									80	15	90	
Moderate	2-3	30953-5	06-35-031-14W4	BE	16-35-031-14W4	HANNA										80	20	90	
Moderate	2-3	12679-6	16-35-031-14W4	BE	07-02-032-14W4	HANNA										60	15	90	
Moderate	2-3	6879-161	06-23-031-15W4	WE	08-23-031-15W4	HANNA	90									80	15	90	
Moderate	2-3	29171-155	08-12-031-15W4	WE	12-12-031-15W4	WATTS	60									80	20	90	
Moderate	2-3	10037-176	01-13-031-15W4	WE	05-13-031-15W4	WATTS	60									80	20	90	
Moderate	2-3	10873-29	16-27-031-15W4	BE	05-26-031-15W4	DOWLING LAKE										60	15	90	
Moderate	2-3	4874-30	06-24-031-15W4	BE	16-24-031-15W4	DOWLING LAKE										80	20	90	
Moderate	2-3	13123-32	06-25-031-15W4	BE	06-26-031-15W4	HANNA										80	20	90	
Moderate	2-3	15562-101	09-17-031-16W4	WE	13-16-031-16W4	MICHICHI	60	60				4		90	30	40	15	90	
Moderate	2-3	8805-103	10-27-031-16W4	BE	01-27-031-16W4	MICHICHI										80	20	90	
Moderate	2-3	13924-108	01-27-031-16W4	BE	09-22-031-16W4	MICHICHI										40	15	90	
Moderate	2-3	7576-124	08-03-031-16W4	PL	08-10-031-16W4	WATTS	60									40	20	90	
Moderate	2-3	19862-126	01-08-031-16W4	PL	04-09-031-16W4	WATTS	60	60				4		90	30	40	15	90	
Moderate	2-3	18402-3	16-03-031-16W4	WE	08-10-031-16W4	WATTS	60	60						90	30	120	15	90	
Moderate	2-3	3574-3	07-14-031-16W4	BE	16-14-031-16W4	WATTS										80	20	90	
Moderate	2-3	19517-6	07-30-031-16W4	BE	06-30-031-16W4	CRAIGMYLE										80	15	90	
Moderate	2-3	40624-1	08-06-031-17W4	WE	16-06-031-17W4	MICHICHI	60									40	10	90	
Moderate	2-3	27336-3	07-14-031-18W4	BE	06-14-031-18W4	MICHICHI										60	15	90	
Moderate	2-3	13950-10	06-01-031-19W4	WE	06-06-031-18W4	WAYNE-ROSEDALE	60	60				4		90	30	40	20	90	
Moderate	2-3	14563-10	12-35-031-19W4	WE	04-26-031-19W4	DELIA	60									320	20	90	
Moderate	2-3	21777-2	10-15-031-19W4	BE	05-15-031-19W4	WAYNE-ROSEDALE										80	15	90	
Moderate	2-3	13427-13	16-21-031-19W4	BE	07-21-031-19W4	WAYNE-ROSEDALE										60	15	90	
Moderate	2-3	5836-1	07-26-031-19W4	PL	10-19-031-18W4	DELIA	30	60				14		60	60	80	20	90	
Moderate	2-3	8192-13	01-22-031-20W4	WE	10-22-031-20W4	ROWLEY	60									80	15	90	
Moderate	2-3	2715-2	03-04-031-20W4	WE	08-04-031-20W4	GHOST PINE	60									80	15	90	
Moderate	2-3	38634-1	12-24-031-20W4	WE	03-24-031-20W4	ROWLEY	90									40	15	90	
Moderate	2-3	3915-10	05-28-031-24W4	BE	16-30-031-24W4	TWINING										160	20	90	
Moderate	2-3	4378-4	13-04-030-01W4	WE	10-04-030-01W4	ANTELOPE	60	60						60	60	160	20	90	
Moderate	2-3	796-8	10-05-030-01W4	WE	13-04-030-01W4	ANTELOPE	90									80	15	90	
Moderate	2-3	18843-3	07-28-030-04W4	WE	05-26-030-04W4	SEDALIA	60									160	20	90	
Moderate	2-3	31270-129	05-22-030-09W4	CS	12-29-030-09W4	SOUNDING	60						14			80	20	90	
Moderate	2-3	16066-3	16-11-030-10W4	WE	11-11-030-10W4	SOUNDING	60									80	20	90	
Moderate	2-3	8869-2	11-34-030-10W4	WE	11-03-031-10W4	STANMORE	60									160	20	90	
Moderate	2-3	6246-39	16-08-030-11W4	WE	13-09-030-11W4	STANMORE	60	60				4		90	30	20	10	90	
Moderate	2-3	26676-7	08-16-030-11W4	B	07-16-030-11W4	STANMORE	60									40	10	90	
Moderate	2-3	9813-11	10-25-030-13W4	WE	11-30-030-12W4	RICHDALE	60	60				4		90	30	40	20	90	
Moderate	2-3	5163-16	14-32-030-15W4	BE	06-04-031-15W4	WATTS										40	15	90	
Moderate	2-3	30090-2	16-35-030-16W4	WE	16-06-031-15W4	WATTS	30									160	20	90	
Moderate	2-3	9143-8	14-09-030-22W4	WE	15-09-030-22W4	GHOST PINE	60	60						90	60	80	15	90	
Moderate	2-3	9640-2	15-26-030-24W4	BE	04-23-030-24W4	TWINING										160	20	90	
Moderate	2-3	9935-14	04-23-030-24W4	BE	10-22-030-24W4	TWINING										160	20	90	
Moderate	2-3	10550-1	07-06-029-01W4	BE	14-05-029-01W4	HIGHLAND										80	20	90	
Moderate	2-3	19407-2	08-04-029-08W4	PL	13-17-029-08W4	CHINOOK	60	60				16				160	40	60	
Moderate	2-3	5015-5	01-18-029-08W4	WE	13-17-029-08W4	CHINOOK	30									80	20	90	
Moderate	2-3	4797-6	12-17-029-08W4	WE	13-17-029-08W4	CHINOOK	90									80	15	90	
Moderate	2-3	11557-7	10-07-029-08W4	BE	01-18-029-08W4	CHINOOK										60	15	90	
Moderate	2-3	10146-70	16-31-029-08W4	PL	02-06-030-08W4	CHINOOK	90									60	15	90	
Moderate	2-3	15647-2	07-07-029-08W4	WE	13-17-029-08W4	CHINOOK	30	60				4		90	30	40	20	90	
Moderate	2-3	12876-6	08-09-029-09W4	WE	08-03-029-09W4	DOBSÓN	60									160	20	90	
Moderate	2-3	5405-12	13-01-029-10W4	PL	06-35-028-10W4	STANMORE	60									160	20	90	
Moderate	2-3	4469-9	14-21-029-11W4	WE	06-21-029-11W4	STANMORE	60									60	15	90	
Moderate	2-3	5997-1	07-12-029-12W4	BE	04-01-029-12W4	STANMORE										80	20	90	
Moderate	2-3	11376-59	11-18-029-14W4	WE	14-12-029-15W4	COYOTE	60	60						60	90	160	20	90	
Moderate	2-3	15589-61	02-14-029-17W4	WE	08-35-028-17W4	MICHICHI	60	60					20	60	90	160	20	90	
Moderate	2-3	20951-1	11-11-029-18W4	PL	12-03-029-18W4	AERIAL	30									160	20	90	
Moderate	2-3	36480-2	11-01-029-22W4	WE	09-01-029-22W4	WAYNE-ROSEDALE	90									80	15	90	
Moderate	2-3	7414-9	06-03-028-08W4	WE	08-04-029-08W4	HEATHDALE	90									80	15	90	
Moderate	2-3	33704-5	01-06-028-08W4	WE	03-06-028-08W4	HEATHDALE	60									120	15	90	
Moderate	2-3	27664-4	01-30-028-09W4	WE	07-31-028-09W4	HEATHDALE	60	60						60	90	160	20	90	
Moderate	2-3	14474-4	03-12-028-09W4	WE	09-01-028-09W4	HEATHDALE	60	60						60	60	160	20	90	
Moderate	2-3	45397-3	12-17-028-09W4	WE	05-17-028-09W4	HEATHDALE	60									40	15	90	
Moderate	2-3	10546-5	07-08-028-09W4	PL	11-07-028-09W4	HEATHDALE	60									160	20	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	23091-34	11-20-028-09W4	WE	07-24-028-10W4	HEATHDALE	60	60				4		90	30	40	20	90	
Moderate	2-3	3412-74	02-35-028-10W4	WE	01-35-028-10W4	STANMORE	60									80	15	90	
Moderate	2-3	2706-30	06-22-028-11W4	PL	06-22-028-11W4	STANMORE	60	60				5		90	30	20	10	90	
Moderate	2-3	5781-54	12-07-028-15W4	BE	11-12-028-16W4	CESSFORD										80	20	90	
Moderate	2-3	10817-72	12-20-028-15W4	PL	02-29-028-15W4	CESSFORD	90									40	15	90	
Moderate	2-3	18650-71	01-24-028-16W4	BE	02-19-028-15W4	CESSFORD										80	20	90	
Moderate	2-3	3730-73	01-24-028-16W4	BE	09-24-028-16W4	CESSFORD										40	15	90	
Moderate	2-3	13010-1	16-33-028-16W4	WE	16-32-028-16W4	CESSFORD	60									160	20	90	
Moderate	2-3	36955-1	08-18-028-17W4	WE	06-17-028-17W4	WAYNE-ROSEDALE	60									60	15	90	
Moderate	2-3	26564-2	13-17-028-17W4	WE	06-17-028-17W4	WAYNE-ROSEDALE	60									80	15	90	
Moderate	2-3	18958-30	13-02-028-18W4	PL	05-02-028-18W4	WAYNE-ROSEDALE	90									60	15	90	
Moderate	2-3	40023-68	05-15-028-18W4	WE	07-15-028-18W4	WAYNE-ROSEDALE	60	60						90	60	80	15	90	
Moderate	2-3	8566-1	04-27-028-18W4	WE	06-28-028-18W4	AERIAL	60									160	20	90	
Moderate	2-3	4711-1	04-27-028-18W4	PL	09-28-028-18W4	AERIAL	60									60	15	90	
Moderate	2-3	35123-6	10-28-028-18W4	WE	12-28-028-18W4	AERIAL	60									80	15	90	
Moderate	2-3	42187-1	03-18-028-18W4	WE	12-18-028-18W4	WAYNE-ROSEDALE	60									160	20	90	
Moderate	2-3	22815-1	16-18-028-18W4	WE	14-18-028-18W4	WAYNE-ROSEDALE	60									80	15	90	
Moderate	2-3	17657-2	10-27-028-18W4	WE	16-29-028-18W4	AERIAL	30									160	20	90	
Moderate	2-3	35773-1	12-03-028-18W4	WE	08-03-028-18W4	WAYNE-ROSEDALE	90									80	20	90	
Moderate	2-3	31057-1	04-01-028-18W4	WE	08-02-028-18W4	WAYNE-ROSEDALE	60									80	15	90	
Moderate	2-3	16072-1	04-10-028-18W4	WE	16-03-028-18W4	WAYNE-ROSEDALE	60									80	20	90	
Moderate	2-3	37886-3	02-24-028-18W4	WE	06-19-028-17W4	WAYNE-ROSEDALE	60									160	20	90	
Moderate	2-3	11757-4	09-19-028-18W4	WE	04-20-028-18W4	WAYNE-ROSEDALE	60									60	15	90	
Moderate	2-3	27435-6	02-19-028-18W4	WE	06-19-028-18W4	WAYNE-ROSEDALE	90									80	15	90	
Moderate	2-3	28330-1	04-29-028-18W4	WE	10-29-028-18W4	AERIAL	60									80	15	90	
Moderate	2-3	10024-9	16-24-028-18W4	WE	09-01-029-18W4	WAYNE-ROSEDALE	30						20			160	20	90	
Moderate	2-3	40245-1	04-14-028-18W4	WE	08-14-028-18W4	WAYNE-ROSEDALE	60									40	20	90	
Moderate	2-3	12052-1	06-13-028-19W4	WE	12-18-028-18W4	WAYNE-ROSEDALE	60									80	20	90	
Moderate	2-3	13161-1	04-29-027-07W4	BE	12-20-027-07W4	CEREAL	60									80	20	90	
Moderate	2-3	22987-60	08-16-027-10W4	PL	07-03-027-10W4	SUNNYSOOK	60	60					18	60	60	160	20	90	
Moderate	2-3	53109-12	15-25-027-10W4	WE	12-34-027-10W4	HEATHDALE	60	60				4		90	30	40	20	90	
Moderate	2-3	11055-8	02-36-027-12W4	BE	14-25-027-12W4	BERRY										120	15	90	
Moderate	2-3	43566-4	08-17-027-12W4	PL	06-19-027-12W4	BERRY	60	60				4		90	30	80	20	90	
Moderate	2-3	23763-5	10-21-027-12W4	WE	13-16-027-12W4	BERRY	60	60						90	30	40	20	90	
Moderate	2-3	30595-53	04-08-027-12W4	BE	06-08-027-12W4	BERRY										40	15	90	
Moderate	2-3	12972-40	13-25-027-12W4	WE	12-25-027-12W4	CESSFORD	90									40	15	90	
Moderate	2-3	53070-49	04-25-027-12W4	PL	04-30-027-11W4	BERRY	60									80	20	90	
Moderate	2-3	21228-50	03-14-027-12W4	PL	04-25-027-12W4	BERRY	60	60					18	60	60	160	20	90	
Moderate	2-3	4221-12	08-05-027-14W4	PL	16-05-027-14W4	CESSFORD	60	60				4		90	30	40	15	90	
Moderate	2-3	53687-13	15-32-027-14W4	WE	13-34-027-14W4	CESSFORD	60	60				4		90	30	40	20	90	
Moderate	2-3	34636-55	06-19-027-15W4	WE	16-13-027-16W4	CESSFORD	30									80	20	90	
Moderate	2-3	19608-2	14-03-027-16W4	WE	02-11-027-16W4	WINTERING HILLS	30									160	20	90	
Moderate	2-3	25032-9	08-03-027-16W4	WE	14-03-027-16W4	WINTERING HILLS	60									80	20	90	
Moderate	2-3	17572-4	06-14-027-17W4	WE	14-14-027-17W4	CESSFORD	60									80	15	90	
Moderate	2-3	23761-5	10-26-027-17W4	BE	10-24-027-17W4	CESSFORD	60									160	20	90	
Moderate	2-3	12640-5	16-36-027-17W4	PL	14-33-027-17W4	CESSFORD	30	60				4				80	40	60	
Moderate	2-3	40968-8	16-31-027-17W4	WE	06-31-027-17W4	CESSFORD	60									80	20	90	
Moderate	2-3	35302-9	04-31-027-17W4	WE	13-36-027-18W4	CESSFORD	60									160	20	90	
Moderate	2-3	33949-2	11-22-027-17W4	WE	10-22-027-17W4	CESSFORD	60									80	15	90	
Moderate	2-3	37237-1	10-21-027-17W4	WE	12-21-027-17W4	CESSFORD	60									80	15	90	
Moderate	2-3	31594-3	10-07-027-18W4	PL	15-06-027-18W4	WAYNE-ROSEDALE	60									80	20	90	
Moderate	2-3	42062-1	04-33-027-18W4	WE	07-33-027-18W4	WAYNE-ROSEDALE	90									80	15	90	
Moderate	2-3	30943-11	02-36-027-18W4	WE	06-36-027-18W4	WAYNE-ROSEDALE	60									80	15	90	
Moderate	2-3	30508-14	13-33-027-18W4	WE	02-04-028-18W4	WAYNE-ROSEDALE	60									80	15	90	
Moderate	2-3	21791-17	11-36-027-18W4	WE	10-36-027-18W4	WAYNE-ROSEDALE	90									80	15	90	
Moderate	2-3	38070-196	11-02-026-09W4	WE	04-06-026-08W4	HEATHDALE	90									160	20	90	
Moderate	2-3	22607-54	06-14-026-10W4	WE	03-14-026-10W4	SUNNYSOOK	60									80	15	90	
Moderate	2-3	9811-51	14-05-026-10W4	WE	15-05-026-10W4	SUNNYSOOK	60									80	15	90	
Moderate	2-3	23829-1	09-07-026-10W4	WE	01-17-026-10W4	SUNNYSOOK	60									160	20	90	
Moderate	2-3	16820-8	11-25-026-11W4	PL	07-21-026-10W4	SUNNYSOOK	30	60					20			160	40	60	
Moderate	2-3	10909-12	05-05-026-12W4	WE	07-05-026-12W4	CESSFORD	60	60				4		90	30	80	15	90	
Moderate	2-3	9793-34	04-05-026-12W4	WE	07-05-026-12W4	CESSFORD	30									160	20	90	
Moderate	2-3	11141-13	01-09-026-12W4	WE	10-04-026-12W4	CESSFORD	60									80	15	90	
Moderate	2-3	4534-46	13-24-026-12W4	GP	09-23-026-12W4	CESSFORD	90									160	20	90	
Moderate	2-3	7584-1	14-31-026-12W4	BE	09-24-026-13W4	CESSFORD										320	20	90	
Moderate	2-3	18278-20	06-05-026-12W4	BE	07-05-026-12W4	CESSFORD										80	15	90	
Moderate	2-3	27713-30	08-05-026-12W4	BE	07-05-026-12W4	CESSFORD										40	10	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	57785-9	14-09-026-12W4	BE	10-04-026-12W4	CESSFORD											80	20	90
Moderate	2-3	15331-11	01-25-026-12W4	BE	14-24-026-12W4	CESSFORD											40	15	90
Moderate	2-3	12972-37	04-34-026-12W4	BE	13-22-026-12W4	CESSFORD											80	20	90
Moderate	2-3	20639-16	05-16-026-12W4	BE	16-09-026-12W4	CESSFORD											80	20	90
Moderate	2-3	59659-1	09-03-026-12W4	WE	04-10-026-12W4	SEDGEWICK	60	60			4		90	30		80	20	90	
Moderate	2-3	16704-8	16-09-026-12W4	WE	04-10-026-12W4	SEDGEWICK	60	60			4		90	30		80	20	90	
Moderate	2-3	52484-1	01-02-026-13W4	WE	01-01-026-13W4	CESSFORD	60	60			4		90	30		80	20	90	
Moderate	2-3	3756-6	07-17-026-14W4	GP	08-05-027-14W4	CESSFORD	60	60				20				320	40	60	
Moderate	2-3	3416-10	07-07-026-14W4	PL	01-01-025-15W4	CONNORSVILLE	60	60					60	60		160	20	90	
Moderate	2-3	9928-12	07-17-026-14W4	GP	07-07-026-14W4	CESSFORD	90									320	20	90	
Moderate	2-3	8494-73	06-21-026-15W4	WE	10-14-026-15W4	CONNORSVILLE	60	60			4		90	30		40	20	90	
Moderate	2-3	22773-5	06-01-026-15W4	PL	01-02-026-15W4	CONNORSVILLE	30									80	20	90	
Moderate	2-3	23776-1	01-28-026-15W4	WE	06-28-026-15W4	CONNORSVILLE	60									40	15	90	
Moderate	2-3	6085-89	06-14-026-16W4	PL	10-11-026-16W4	CONNORSVILLE	60									60	15	90	
Moderate	2-3	11854-12	16-34-026-16W4	WE	14-34-026-16W4	CONNORSVILLE	60									80	15	90	
Moderate	2-3	32959-11	04-35-026-16W4	WE	11-35-026-16W4	CONNORSVILLE	60									80	15	90	
Moderate	2-3	11128-25	15-31-026-18W4	WE	06-05-027-18W4	WAYNE-ROSEDALE	90									40	15	90	
Moderate	2-3	10858-246	14-21-026-19W4	WE	16-21-026-19W4	WAYNE-ROSEDALE	60									80	15	90	
Moderate	2-3	22773-1	06-21-025-08W4	WE	06-20-025-08W4	KINMUNDY	60									160	20	90	
Moderate	2-3	33468-48	09-34-025-08W4	BE	10-28-025-08W4	KINMUNDY	60									160	20	90	
Moderate	2-3	744-25	08-07-025-11W4	WE	06-07-025-11W4	CESSFORD	90									80	15	90	
Moderate	2-3	3475-27	06-07-025-11W4	WE	08-12-025-12W4	CESSFORD	90									80	15	90	
Moderate	2-3	0-292	06-10-025-12W4	WE	14-03-025-12W4	CESSFORD	60									80	15	90	
Moderate	2-3	2-360	16-08-025-12W4	WE	05-17-025-12W4	CESSFORD	60									80	20	90	
Moderate	2-3	3049-5	05-13-025-12W4	PL	05-07-025-11W4	CESSFORD	60									80	20	90	
Moderate	2-3	2979-18	14-02-025-12W4	WE	16-02-025-12W4	CESSFORD	60									80	15	90	
Moderate	2-3	546-38	16-14-025-12W4	WE	14-13-025-12W4	CESSFORD	60									160	20	90	
Moderate	2-3	844-39	14-13-025-12W4	WE	06-13-025-12W4	CESSFORD	60									80	15	90	
Moderate	2-3	7933-1	05-33-025-12W4	BE	16-27-025-12W4	CESSFORD	60									160	20	90	
Moderate	2-3	4834-18	15-32-025-12W4	WE	07-05-026-12W4	CESSFORD	60	60					90	30		80	20	90	
Moderate	2-3	16032-2	16-22-025-12W4	BE	02-27-025-12W4	CESSFORD	60									60	15	90	
Moderate	2-3	9434-15	13-32-025-12W4	WE	07-05-026-12W4	CESSFORD	60	60			4		90	30		80	20	90	
Moderate	2-3	41864-16	16-32-025-12W4	WE	07-05-026-12W4	CESSFORD	60	60			4		90	30		80	15	90	
Moderate	2-3	1-264	14-14-025-13W4	WE	06-14-025-13W4	CESSFORD	90									80	15	90	
Moderate	2-3	1-309	06-16-025-13W4	WE	08-16-025-13W4	CESSFORD	90									80	15	90	
Moderate	2-3	1680-35	12-10-025-13W4	WE	06-10-025-13W4	CESSFORD	90									80	15	90	
Moderate	2-3	1181-73	14-30-025-13W4	WE	06-30-025-13W4	CESSFORD	90									80	15	90	
Moderate	2-3	4360-72	08-02-025-13W4	PL	06-02-025-13W4	CESSFORD	60	60						90	30	60	15	90	
Moderate	2-3	738-49	14-24-025-14W4	WE	06-24-025-14W4	CESSFORD	90									80	15	90	
Moderate	2-3	2018-65	06-34-025-14W4	WE	08-34-025-14W4	CESSFORD	90									80	15	90	
Moderate	2-3	2953-71	16-26-025-14W4	WE	14-25-025-14W4	CESSFORD	90									80	15	90	
Moderate	2-3	3248-75	08-25-025-14W4	WE	06-25-025-14W4	CESSFORD	90									40	15	90	
Moderate	2-3	4429-90	08-26-025-14W4	WE	06-25-025-14W4	CESSFORD	90									80	15	90	
Moderate	2-3	10134-184	08-06-025-14W4	WE	10-06-025-14W4	CONNORSVILLE	90									80	15	90	
Moderate	2-3	4652-9	11-31-025-15W4	PL	09-32-025-15W4	CONNORSVILLE	60									160	20	90	
Moderate	2-3	9689-143	16-24-025-15W4	WE	08-24-025-15W4	CONNORSVILLE	60									40	15	90	
Moderate	2-3	3128-252	06-32-025-18W4	WE	06-31-025-18W4	SEIU LAKE	60									160	20	90	
Moderate	2-3	12514-8	06-31-025-19W4	BE	13-31-025-19W4	WAYNE-ROSEDALE	60									40	20	90	
Moderate	2-3	2841-1	08-23-025-19W4	BE	08-25-025-19W4	HUSSAR	60									160	20	90	
Moderate	2-3	10181-16	06-03-025-19W4	BE	08-23-025-19W4	HUSSAR	60									160	40	60	
Moderate	2-3	7743-1	10-22-025-20W4	WE	04-22-025-20W4	HUSSAR	30									80	20	90	
Moderate	2-3	4601-102	16-19-024-09W4	WE	09-18-024-09W4	KINMUNDY	60									160	20	90	
Moderate	2-3	9622-38	05-01-024-10W4	PL	06-14-024-10W4	CESSFORD	60	60								160	20	90	
Moderate	2-3	15897-108	08-26-024-10W4	WE	16-23-024-10W4	KINMUNDY	90						18	60	60	80	15	90	
Moderate	2-3	29703-110	08-23-024-10W4	WE	16-14-024-10W4	KINMUNDY	90									80	15	90	
Moderate	2-3	1-213	06-06-024-11W4	WE	14-06-024-11W4	CESSFORD	60	60			4		90	30		40	15	90	
Moderate	2-3	2-351	16-17-024-11W4	WE	14-17-024-11W4	CESSFORD	90									80	15	90	
Moderate	2-3	2951-17	06-19-024-11W4	WE	08-19-024-11W4	CESSFORD	60	60			4		90	30		40	15	90	
Moderate	2-3	1328-18	08-19-024-11W4	WE	06-20-024-11W4	CESSFORD	60	60			4		90	30		40	15	90	
Moderate	2-3	2324-34	06-26-024-11W4	WE	14-23-024-11W4	CESSFORD	60	60			4		90	30		40	15	90	
Moderate	2-3	2877-38	16-27-024-11W4	WE	08-27-024-11W4	CESSFORD	90									80	15	90	
Moderate	2-3	1401-45	10-21-024-11W4	WE	07-21-024-11W4	CESSFORD	90									80	15	90	
Moderate	2-3	3504-47	12-22-024-11W4	WE	08-21-024-11W4	CESSFORD	90									80	15	90	
Moderate	2-3	1833-1	06-33-024-11W4	PL	01-28-024-11W4	CESSFORD	60	60					90	30		40	20	90	
Moderate	2-3	9878-6	14-23-024-11W4	BE	07-23-024-11W4	CESSFORD	60				4					80	20	90	
Moderate	2-3	0-184	06-25-024-12W4	WE	08-26-024-12W4	CESSFORD	60	60			4		90	30		40	15	90	
Moderate	2-3	1-338	16-34-024-12W4	WE	14-34-024-12W4	CESSFORD	60									40	15	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4			
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE			
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d		
Moderate	2-3	1-485	14-24-024-12W4	WE	14-18-024-11W4	CESSFORD	60										320	20	90	
Moderate	2-3	1807-29	16-23-024-12W4	WE	14-24-024-12W4	CESSFORD	60										80	15	90	
Moderate	2-3	2524-66	14-32-024-12W4	WE	16-32-024-12W4	CESSFORD	60										80	15	90	
Moderate	2-3	0-38	08-13-024-13W4	PL	07-08-024-12W4	CESSFORD	60	60					60	60		160	20	90		
Moderate	2-3	1-59	16-01-024-13W4	WE	08-12-024-13W4	CESSFORD	60	60					90	30		40	20	90		
Moderate	2-3	2-64	06-13-024-13W4	WE	08-13-024-13W4	CESSFORD	90									80	15	90		
Moderate	2-3	1-65	08-13-024-13W4	WE	08-13-024-13W4	CESSFORD	60	60					90	60		80	15	90		
Moderate	2-3	2-76	16-25-024-13W4	WE	14-30-024-12W4	CESSFORD	60	60					90	30		60	15	90		
Moderate	2-3	0-85	08-29-024-13W4	WE	06-28-024-13W4	CESSFORD	60	60					90	30		40	15	90		
Moderate	2-3	562-24	06-22-024-13W4	WE	14-10-024-13W4	CESSFORD	60									160	20	90		
Moderate	2-3	14628-55	12-07-024-13W4	WE	14-07-024-13W4	CESSFORD	60	60			4			90		30	40	15	90	
Moderate	2-3	11025-154	02-17-024-14W4	WE	03-17-024-14W4	MATZIWIN	60									80	15	90		
Moderate	2-3	2023-6	07-17-024-15W4	PL	11-32-023-15W4	WINTERING HILLS	60	60								80	20	90		
Moderate	2-3	8171-1	06-19-024-15W4	B	06-18-024-15W4	WINTERING HILLS	60	60			4		11	60	60	80	20	90		
Moderate	2-3	7583-112	08-20-024-15W4	WE	08-17-024-15W4	WINTERING HILLS	60	60						60	90	160	20	90		
Moderate	2-3	13903-1	08-17-024-15W4	PL	06-17-024-15W4	WINTERING HILLS	60									60	15	90		
Moderate	2-3	20645-114	11-16-024-15W4	CS	08-17-024-15W4	WINTERING HILLS	60									80	15	90		
Moderate	2-3	37075-47	08-03-024-16W4	WE	08-10-024-16W4	WINTERING HILLS	60	60			4			90	30	40	20	90		
Moderate	2-3	2065-42	16-06-023-04W4	PL	08-06-023-04W4	BINDLOSS	60	60						90	30	60	15	90		
Moderate	2-3	4496-2	13-10-023-10W4	PL	11-10-023-10W4	CESSFORD	60	60						90	30	40	15	90		
Moderate	2-3	2364-6	16-20-023-10W4	WE	16-17-023-10W4	CESSFORD	60	60			4			90	30	40	20	90		
Moderate	2-3	21047-96	14-15-023-10W4	WE	16-16-023-10W4	CESSFORD	90									80	15	90		
Moderate	2-3	12920-21	06-15-023-11W4	WE	06-16-023-11W4	CESSFORD	60	60			4			90	30	40	20	90		
Moderate	2-3	13913-53	16-34-023-11W4	BE	06-34-023-11W4	CESSFORD	60									80	15	90		
Moderate	2-3	5193-2	14-08-023-11W4	WE	08-08-023-11W4	CESSFORD	60	60			4			90	30	40	20	90		
Moderate	2-3	14065-69	08-36-023-12W4	WE	06-36-023-12W4	CESSFORD	60	60			4			90	30	40	15	90		
Moderate	2-3	11283-74	08-35-023-12W4	WE	16-35-023-12W4	CESSFORD	90									80	15	90		
Moderate	2-3	19054-51	16-01-023-12W4	PL	07-01-023-12W4	CESSFORD	60	60						90	30	60	15	90		
Moderate	2-3	36517-5	09-13-023-12W4	WE	06-13-023-12W4	CESSFORD	60	60						90	30	40	15	90		
Moderate	2-3	43585-16	09-34-023-12W4	WE	13-35-023-12W4	CESSFORD	60	60			8			90	30	40	15	90		
Moderate	2-3	9407-1	08-04-023-13W4	WE	06-03-023-13W4	CESSFORD	60	60						90	30	40	20	90		
Moderate	2-3	2545-3	16-18-023-13W4	WE	14-18-023-13W4	CESSFORD	60									80	20	90		
Moderate	2-3	3606-4	06-19-023-13W4	PL	06-30-023-13W4	CESSFORD	60	60						60	60	80	20	90		
Moderate	2-3	8485-37	15-35-023-13W4	PL	06-02-024-13W4	CESSFORD	60	60						90	30	40	15	90		
Moderate	2-3	7723-1	07-36-023-13W4	PL	06-31-023-12W4	CESSFORD	60	60						90	30	40	20	90		
Moderate	2-3	7592-6	10-02-023-13W4	WE	05-01-023-13W4	CESSFORD	90									80	15	90		
Moderate	2-3	46506-12	10-10-023-13W4	WE	06-10-023-13W4	CESSFORD	90									40	15	90		
Moderate	2-3	18982-15	04-11-023-13W4	WE	10-02-023-13W4	CESSFORD	90									160	20	90		
Moderate	2-3	30339-50	01-12-023-13W4	WE	07-12-023-13W4	VERGER	90									80	15	90		
Moderate	2-3	9333-5	16-24-023-14W4	WE	14-19-023-13W4	MATZIWIN	60	60						90	30	40	15	90		
Moderate	2-3	11879-6	06-25-023-14W4	WE	06-30-023-13W4	MATZIWIN	60	60						4		40	20	90		
Moderate	2-3	5939-7	16-25-023-14W4	WE	06-30-023-13W4	MATZIWIN	60									80	20	90		
Moderate	2-3	19091-107	08-26-023-14W4	WE	06-30-023-13W4	MATZIWIN	60									160	20	90		
Moderate	2-3	20142-4	01-35-023-14W4	WE	16-23-023-14W4	MATZIWIN	30									160	20	90		
Moderate	2-3	21428-10	01-22-023-14W4	WE	02-23-023-14W4	MATZIWIN	30									160	20	90		
Moderate	2-3	5738-109	06-23-023-15W4	PL	06-24-023-15W4	MATZIWIN	60									80	20	90		
Moderate	2-3	28444-48	04-15-022-02W4	WE	04-16-022-02W4	MEDICINE HAT	60	60						60	90	160	20	90		
Moderate	2-3	3820-1	06-15-022-04W4	BE	13-14-022-04W4	BINDLOSS										80	20	90		
Moderate	2-3	13290-12	05-29-022-07W4	PL	08-29-022-07W4	ATLEE-BUFFALO	60	60						4	90	30	40	20	90	
Moderate	2-3	2308-1	16-25-022-08W4	BE	16-24-022-08W4	ATLEE-BUFFALO										160	20	90		
Moderate	2-3	29124-1	14-14-022-08W4	WE	06-14-022-08W4	ATLEE-BUFFALO	60									160	20	90		
Moderate	2-3	31034-2	06-14-022-08W4	PL	06-18-022-07W4	ATLEE-BUFFALO	30									160	20	90		
Moderate	2-3	11412-38	07-12-022-09W4	BE	10-12-022-09W4	JENNER										80	15	90		
Moderate	2-3	3739-2	14-13-022-09W4	BE	14-12-022-09W4	JENNER										160	20	90		
Moderate	2-3	3072-1	15-29-022-09W4	BE	13-21-022-09W4	JENNER										320	20	90		
Moderate	2-3	19865-134	16-31-022-10W4	PL	03-06-023-10W4	CESSFORD	60	60						4	90	30	40	20	90	
Moderate	2-3	3965-98	14-07-022-11W4	PL	06-06-022-11W4	CESSFORD	60	60								60	60	160	20	90
Moderate	2-3	5205-7	06-08-022-12W4	BE	07-07-022-12W4	CESSFORD										80	20	90		
Moderate	2-3	29256-39	04-17-022-12W4	WE	06-17-022-13W4	CESSFORD	60									80	15	90		
Moderate	2-3	18982-37	12-22-022-12W4	WE	06-22-022-12W4	CESSFORD	60									80	15	90		
Moderate	2-3	20880-38	04-27-022-12W4	WE	12-22-022-12W4	CESSFORD	60									80	20	90		
Moderate	2-3	27004-9	06-27-022-12W4	WE	04-27-022-12W4	CESSFORD	60									80	15	90		
Moderate	2-3	11573-11	04-28-022-12W4	WE	05-28-022-12W4	CESSFORD	60									80	15	90		
Moderate	2-3	34720-19	12-33-022-12W4	WE	14-33-022-12W4	CESSFORD	60									80	15	90		
Moderate	2-3	32791-23	12-15-022-12W4	WE	04-22-022-12W4	CESSFORD	60									80	15	90		
Moderate	2-3	27487-42	12-20-022-12W4	WE	08-19-022-12W4	CESSFORD	60									80	15	90		
Moderate	2-3	33248-3	12-09-022-12W4	WE	04-16-022-12W4	CESSFORD	60									80	15	90		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	18926-8	12-21-022-12W4	WE	06-21-022-12W4	CESSFORD	60									80	15	90	
Moderate	2-3	29156-10	02-21-022-12W4	WE	06-21-022-12W4	VERGER	60									80	15	90	
Moderate	2-3	6800-1	01-09-022-12W4	WE	15-04-022-12W4	CESSFORD	60									80	15	90	
Moderate	2-3	23539-10	10-27-022-12W4	WE	06-27-022-12W4	CESSFORD	60									80	15	90	
Moderate	2-3	35570-12	13-27-022-12W4	WE	12-27-022-12W4	CESSFORD	60									80	15	90	
Moderate	2-3	1664-44	05-24-022-13W4	PL	05-24-022-13W4	VERGER	60	60				90		30	20	10	90		
Moderate	2-3	8917-45	05-24-022-13W4	PL	05-24-022-13W4	VERGER	60	60			4		90	30	20	10	90		
Moderate	2-3	6896-235	05-24-022-13W4	PL	05-24-022-13W4	VERGER	90								20	10	90		
Moderate	2-3	12956-23	04-29-022-13W4	WE	06-29-022-13W4	VERGER	90								80	15	90		
Moderate	2-3	28451-27	02-25-022-13W4	WE	06-25-022-13W4	VERGER	90								60	15	90		
Moderate	2-3	17261-28	01-17-022-13W4	WE	08-17-022-13W4	VERGER	90								80	15	90		
Moderate	2-3	6712-24	07-04-021-03W5	BE	06-04-021-03W5	TURNER VALLEY									80	15	90		
Moderate	2-3	15049-7	01-04-021-03W5	WE	16-33-020-03W5	TURNER VALLEY	90								40	10	90		
Moderate	2-3	35827-4	05-09-021-03W5	PL	08-08-021-03W5	TURNER VALLEY	90								40	10	90		
Moderate	2-3	15839-10	04-04-021-03W5	PL	06-33-020-03W5	TURNER VALLEY	60								160	20	90		
Moderate	2-3	27153-11	05-04-021-03W5	WE	04-04-021-03W5	TURNER VALLEY	60								40	10	90		
Moderate	2-3	27907-14	11-04-021-03W5	BE	06-04-021-03W5	TURNER VALLEY									40	10	90		
Moderate	2-3	7919-15	11-04-021-03W5	BE	11-04-021-03W5	TURNER VALLEY									40	10	90		
Moderate	2-3	6788-17	03-04-021-03W5	BE	11-33-020-03W5	TURNER VALLEY									160	20	90		
Moderate	2-3	3771-19	05-09-021-03W5	PL	08-08-021-03W5	TURNER VALLEY	90								120	15	90		
Moderate	2-3	15462-21	05-04-021-03W5	WE	04-04-021-03W5	TURNER VALLEY	90								40	10	90		
Moderate	2-3	42002-2	08-18-021-03W5	BE	09-18-021-03W5	TURNER VALLEY									80	15	90		
Moderate	2-3	24974-4	14-18-021-03W5	WE	09-18-021-03W5	TURNER VALLEY	60	60			4			90	80	20	90		
Moderate	2-3	23839-12	02-08-021-03W5	PL	15-05-021-03W5	TURNER VALLEY	90								40	10	90		
Moderate	2-3	9081-15	08-08-021-03W5	S	01-08-021-03W5	TURNER VALLEY	90								40	10	90		
Moderate	2-3	10494-55	06-30-021-05W4	BE	12-29-021-05W4	ATLEE-BUFFALO									40	20	90		
Moderate	2-3	3698-40	14-26-021-05W4	BE	06-35-021-05W4	ATLEE-BUFFALO									80	15	90		
Moderate	2-3	3372-13	06-20-021-05W4	BE	07-19-021-05W4	ATLEE-BUFFALO									80	20	90		
Moderate	2-3	7118-14	14-20-021-05W4	BE	07-19-021-05W4	ATLEE-BUFFALO									160	20	90		
Moderate	2-3	21777-3	14-26-021-05W4	PL	11-20-021-05W4	ATLEE-BUFFALO	30					20			160	40	60		
Moderate	2-3	5188-443	14-31-021-10W4	WE	06-31-021-10W4	PRINCESS	60	60					90	30	60	15	90		
Moderate	2-3	3631-623	06-15-021-10W4	WE	01-16-021-10W4	PRINCESS	60	60					90	30	60	15	90		
Moderate	2-3	4099-121	16-35-021-10W4	WE	14-36-021-10W4	PRINCESS	60	60			4		90	30	40	15	90		
Moderate	2-3	13304-17	05-31-021-12W4	BE	05-25-021-13W4	PRINCESS									160	20	90		
Moderate	2-3	3167-21	05-26-021-12W4	WE	04-36-021-12W4	PRINCESS	60								160	20	90		
Moderate	2-3	26555-4	16-16-021-26W4	PL	03-21-021-26W4	HERRONTON	60	60			4		90	30	80	15	90		
Moderate	2-3	55419-6	14-15-021-26W4	WE	16-16-021-26W4	HERRONTON	60	60			4		90	30	80	15	90		
Moderate	2-3	14079-6	16-28-020-03W5	BE	13-27-020-03W5	TURNER VALLEY									40	10	90		
Moderate	2-3	8975-16	03-27-020-03W5	BE	15-22-020-03W5	TURNER VALLEY									40	10	90		
Moderate	2-3	7039-21	04-34-020-03W5	BE	08-33-020-03W5	TURNER VALLEY									40	10	90		
Moderate	2-3	10031-23	09-33-020-03W5	BE	08-33-020-03W5	TURNER VALLEY									40	10	90		
Moderate	2-3	4047-24	09-33-020-03W5	BE	15-33-020-03W5	TURNER VALLEY									40	10	90		
Moderate	2-3	19048-1	15-22-020-03W5	BE	02-22-020-03W5	TURNER VALLEY									60	15	90		
Moderate	2-3	13920-8	11-33-020-03W5	PL	06-33-020-03W5	TURNER VALLEY	90								120	15	90		
Moderate	2-3	38582-1	06-33-020-03W5	BE	12-33-020-03W5	TURNER VALLEY									40	15	90		
Moderate	2-3	28234-5	12-27-020-03W5	WE	12-27-020-03W5	TURNER VALLEY	90								40	10	90		
Moderate	2-3	20893-7	14-22-020-03W5	WE	02-27-020-03W5	TURNER VALLEY	60	60			4		90	30	80	15	90		
Moderate	2-3	51386-8	02-27-020-03W5	PL	07-27-020-03W5	TURNER VALLEY	60	60			4		90	30	80	15	90		
Moderate	2-3	8268-4	16-10-020-10W4	WE	14-03-020-10W4	PRINCESS	60	60					60	60	80	20	90		
Moderate	2-3	24601-4	08-13-020-10W4	PL	06-13-020-10W4	PRINCESS	60								60	15	90		
Moderate	2-3	3155-7	08-28-020-11W4	PL	08-21-020-11W4	PRINCESS	60	60					90	30	40	20	90		
Moderate	2-3	14539-4	16-28-020-11W4	BE	09-16-020-11W4	PRINCESS									160	20	90		
Moderate	2-3	54869-194	10-04-020-14W4	WE	12-03-020-14W4	BANTRY	60								40	15	90		
Moderate	2-3	23680-196	12-04-020-14W4	WE	11-04-020-14W4	BANTRY	60	60			4		90	30	40	15	90		
Moderate	2-3	28878-217	04-05-020-14W4	WE	14-32-019-14W4	BANTRY	90								80	15	90		
Moderate	2-3	10878-23	14-28-020-22W4	WE	06-28-020-22W4	SHOULDICE	90								80	15	90		
Moderate	2-3	29476-30	14-32-020-22W4	WE	08-32-020-22W4	HERRONTON	60								160	20	90		
Moderate	2-3	4094-2	07-24-020-24W4	WE	08-24-020-24W4	HERRONTON	90								80	15	90		
Moderate	2-3	6065-47	10-07-019-01W4	PL	09-09-019-02W4	MEDICINE HAT	60	60				12			80	40	60		
Moderate	2-3	5006-27	07-08-019-02W4	WE	10-08-019-02W4	MEDICINE HAT	60	60					90	30	60	15	90		
Moderate	2-3	2021-44	10-18-019-02W4	PL	09-16-019-02W4	MEDICINE HAT	60	60				12	60	60	160	20	90		
Moderate	2-3	5776-48	06-12-019-02W4	PL	14-12-019-02W4	MEDICINE HAT	60	60					90	30	60	15	90		
Moderate	2-3	5102-89	06-13-019-02W4	WE	10-13-019-02W4	MEDICINE HAT	60	60					90	30	60	15	90		
Moderate	2-3	2310-120	14-06-019-02W4	WE	10-06-019-02W4	MEDICINE HAT	60	60					90	30	40	15	90		
Moderate	2-3	8857-128	08-14-019-02W4	WE	10-14-019-02W4	MEDICINE HAT	60								80	15	90		
Moderate	2-3	3080-133	06-24-019-02W4	WE	11-24-019-02W4	MEDICINE HAT	60								80	15	90		
Moderate	2-3	9435-135	08-10-019-02W4	WE	09-10-019-02W4	MEDICINE HAT	60	60					90	60	80	15	90		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/Slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Moderate	2-3	2311-105	01-04-019-09W4	WE	07-04-019-09W4	PRINCESS	60									80	15	90
Moderate	2-3	4098-108	16-04-019-09W4	WE	14-04-019-09W4	PRINCESS	60									40	15	90
Moderate	2-3	8931-110	13-05-019-09W4	WE	11-05-019-09W4	PRINCESS	90									80	15	90
Moderate	2-3	3424-487	08-29-019-10W4	WE	06-29-019-10W4	PRINCESS	60	60				4		90	30	40	15	90
Moderate	2-3	7678-538	13-16-019-10W4	WE	11-16-019-10W4	PRINCESS	90									80	15	90
Moderate	2-3	48882-1	08-36-019-10W4	WE	06-36-019-10W4	PRINCESS	60									80	20	90
Moderate	2-3	3868-13	10-35-019-12W4	WE	12-01-020-12W4	PRINCESS	30	60				4		90	30	80	20	90
Moderate	2-3	10683-67	10-35-019-12W4	BE	15-35-019-12W4	PRINCESS										120	15	90
Moderate	2-3	4104-26	02-24-019-13W4	WE	05-24-019-13W4	BANTRY	60	60				4		90	30	40	20	90
Moderate	2-3	8739-27	12-25-019-13W4	BE	07-25-019-13W4	BANTRY										40	20	90
Moderate	2-3	5578-13	14-07-019-13W4	BE	07-07-019-13W4	BANTRY										160	20	90
Moderate	2-3	26568-145	14-11-019-13W4	WE	13-11-019-13W4	BANTRY	60	60						90	30	40	15	90
Moderate	2-3	30033-198	06-22-019-13W4	WE	07-22-019-13W4	BANTRY	60									80	15	90
Moderate	2-3	36386-202	06-04-019-13W4	WE	10-05-019-13W4	BANTRY	60									80	20	90
Moderate	2-3	11379-163	02-18-019-14W4	WE	08-18-019-14W4	COUNTRESS	90									80	15	90
Moderate	2-3	19555-1	16-23-019-14W4	WE	06-23-019-14W4	BANTRY	60	60				4		90	30	40	20	90
Moderate	2-3	44472-131	14-25-019-14W4	WE	14-30-019-13W4	BANTRY	60	60				4		90	30	40	20	90
Moderate	2-3	28300-170	04-29-019-14W4	WE	12-29-019-14W4	BANTRY	90									80	15	90
Moderate	2-3	53136-181	16-24-019-14W4	WE	10-24-019-14W4	BANTRY	90									40	15	90
Moderate	2-3	34076-191	12-33-019-14W4	WE	06-33-019-14W4	BANTRY	90									40	15	90
Moderate	2-3	19637-219	07-22-019-14W4	WE	08-22-019-14W4	BANTRY	60	60						90	30	40	15	90
Moderate	2-3	6930-229	01-26-019-14W4	WE	09-26-019-14W4	BANTRY	90									80	15	90
Moderate	2-3	31188-256	16-34-019-14W4	WE	08-27-019-14W4	BANTRY	60									80	20	90
Moderate	2-3	32285-38	01-10-019-14W4	BE	03-11-019-14W4	BANTRY										80	20	90
Moderate	2-3	4108-2	08-18-019-18W4	PL	06-18-019-18W4	EYREMORE	60									60	15	90
Moderate	2-3	3956-146	08-35-019-21W4	PL	07-35-019-21W4	QUEENSTOWN	60									60	15	90
Moderate	2-3	14242-180	01-04-019-21W4	PL	12-33-018-21W4	LONG COULLEE	60	60				4		90	30	40	15	90
Moderate	2-3	19517-181	03-04-019-21W4	PL	01-04-019-21W4	QUEENSTOWN	60									60	15	90
Moderate	2-3	15825-183	15-24-019-21W4	WE	06-25-019-21W4	QUEENSTOWN	90									40	15	90
Moderate	2-3	13978-193	11-01-019-21W4	PL	12-02-019-21W4	QUEENSTOWN	60	60				4		90	30	40	20	90
Moderate	2-3	15301-31	08-11-019-21W4	BE	03-24-019-21W4	QUEENSTOWN										160	20	90
Moderate	2-3	25017-6	14-16-019-21W4	BE	08-21-019-21W4	QUEENSTOWN										160	20	90
Moderate	2-3	17411-6	06-27-019-23W4	BE	06-34-019-23W4	MILO										40	20	90
Moderate	2-3	9750-8	06-34-019-23W4	BE	02-11-020-23W4	MILO										320	20	90
Moderate	2-3	23745-2	08-28-019-23W4	PL	06-27-019-23W4	MILO	60									60	15	90
Moderate	2-3	21100-170	11-10-019-23W4	PL	14-02-019-23W4	MILO	60									160	20	90
Moderate	2-3	10813-192	16-17-019-23W4	PL	15-09-019-23W4	MILO	60									160	20	90
Moderate	2-3	9060-24	10-09-018-02W4	WE	07-03-018-02W4	MEDICINE HAT	60	60						60	60	160	20	90
Moderate	2-3	6366-41	14-05-018-02W4	WE	08-30-017-02W4	MEDICINE HAT	60	60				4				80	40	60
Moderate	2-3	16365-5	07-09-018-09W4	WE	12-17-018-09W4	JENNER	60									160	20	90
Moderate	2-3	28763-14	07-31-018-09W4	WE	11-35-018-10W4	JENNER	30	60				4		90	30	40	20	90
Moderate	2-3	7690-343	01-01-018-10W4	PL	06-01-018-10W4	JENNER	60	60						90	30	40	15	90
Moderate	2-3	25792-3	12-20-018-10W4	WE	13-20-018-10W4	ALDERSON	60									80	15	90
Moderate	2-3	46493-1	13-20-018-10W4	BE	11-19-018-10W4	ALDERSON										80	20	90
Moderate	2-3	52831-21	03-03-018-10W4	BE	16-04-018-10W4	ALDERSON										80	20	90
Moderate	2-3	45787-30	13-08-018-10W4	B	10-08-018-10W4	JENNER	60									80	20	90
Moderate	2-3	1741-203	06-25-018-11W4	WE	07-25-018-11W4	PRINCESS	60									80	15	90
Moderate	2-3	3030-60	07-10-018-12W4	WE	09-10-018-12W4	BANTRY	60									80	15	90
Moderate	2-3	36347-96	06-17-018-12W4	PL	10-17-018-12W4	BANTRY	60									60	15	90
Moderate	2-3	6805-50	06-13-018-13W4	WE	12-12-018-13W4	BANTRY	30	60								80	20	90
Moderate	2-3	4860-75	09-28-018-13W4	BE	07-28-018-13W4	BANTRY						4		90	30	80	15	90
Moderate	2-3	4484-80	10-27-018-13W4	WE	08-27-018-13W4	BANTRY	60									80	15	90
Moderate	2-3	7759-7	10-23-018-13W4	BE	04-23-018-13W4	BANTRY										80	20	90
Moderate	2-3	2783-4	11-28-018-13W4	BE	07-28-018-13W4	BANTRY										80	15	90
Moderate	2-3	5878-3	13-22-018-13W4	BE	11-22-018-13W4	BANTRY										80	15	90
Moderate	2-3	14199-46	04-31-018-13W4	WE	08-36-018-14W4	BANTRY	30									160	20	90
Moderate	2-3	2901-107	06-35-018-15W4	WE	13-26-018-15W4	NEWELL	90									40	15	90
Moderate	2-3	1449-11	11-30-018-19W4	BE	14-30-018-19W4	MAJORVILLE										40	15	90
Moderate	2-3	9424-2	16-09-018-19W4	BE	09-30-017-18W4	EYREMORE										160	40	60
Moderate	2-3	6019-1	07-33-018-19W4	WE	14-17-018-19W4	MAJORVILLE	60	60				4		90	30	40	20	90
Moderate	2-3	17407-91	01-29-018-20W4	BE	01-32-018-20W4	PAGEANT										80	20	90
Moderate	2-3	18462-90	08-02-018-21W4	BE	11-02-018-21W4	PAGEANT										80	20	90
Moderate	2-3	21627-145	11-24-018-21W4	WE	13-19-018-20W4	PAGEANT	60									160	20	90
Moderate	2-3	23473-149	04-36-018-21W4	BE	06-35-018-21W4	QUEENSTOWN										160	20	90
Moderate	2-3	3428-75	01-08-018-23W4	BE	08-09-018-23W4	LOMOND										80	20	90
Moderate	2-3	22155-187	08-36-018-23W4	WE	06-31-018-22W4	MILO	90									80	15	90
Moderate	2-3	10380-1	16-10-018-23W4	WE	01-15-018-23W4	LOMOND	60									80	15	90

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1	OPTION B1	OPTION B2	OPTION B2	OPTION B2	OPTION C1	OPTION C2	OPTION C3	OPTION C3	FINAL Pipeline	FINAL Dead-Leg	FINAL Dead-Leg	
							FREQUENCY PIGGING BY OPERATIONS d	FREQUENCY PIGGING d	FREQUENCY BATCH INHIBITION d	VOLUME BATCH INHIBITOR l	VOLUME HYDROCARBON DILUENT l	INJECTION RATE CONTINUOUS INHIBITOR l/d	INJECTION RATE VAPOUR PHASE AMINE l/d	FREQUENCY GLYCOL SLUG INTERVAL d	VOLUME GLYCOL SLUG l	Lay-up Mothballing Inhibitor l	Mitigation Glycol Slug Volume l/slug	Mitigation Glycol Slug Frequency d	
Moderate	2-3	1335-23	06-33-017-02W4	WE	10-33-017-02W4	MEDICINE HAT	60	60						90	30	40	20	90	
Moderate	2-3	1636-91	14-31-017-02W4	WE	07-06-018-02W4	MEDICINE HAT	60	60						60	60	80	20	90	
Moderate	2-3	1294-66	03-19-017-02W4	PL	08-19-017-02W4	MEDICINE HAT	60	60						90	30	40	15	90	
Moderate	2-3	51657-26	14-30-017-10W4	WE	15-30-017-10W4	ALDERSON	60	60				4		90	30	40	15	90	
Moderate	2-3	2470-1	08-25-017-13W4	BE	16-25-017-13W4	BANTRY										80	20	90	
Moderate	2-3	3628-1	16-26-017-13W4	WE	16-25-017-13W4	BANTRY	60	60				4		90	30	80	20	90	
Moderate	2-3	10630-3	10-04-017-18W4	PL	09-09-017-18W4	BADGER	60									80	20	90	
Moderate	2-3	53134-3	06-06-017-20W4	BE	12-32-016-20W4	LONG COULEE										80	20	90	
Moderate	2-3	30611-151	11-18-016-02W4	PL	01-07-016-02W4	MEDICINE HAT	60									80	20	90	
Moderate	2-3	53418-22	15-21-016-09W4	WE	07-32-016-09W4	ALDERSON	30					20				160	20	90	
Moderate	2-3	20545-23	07-32-016-09W4	WE	06-06-017-09W4	ALDERSON	30									160	20	90	
Moderate	2-3	17023-25	11-29-016-09W4	WE	07-32-016-09W4	ALDERSON	60									40	20	90	
Moderate	2-3	4414-736	03-18-016-11W4	WE	01-18-016-11W4	ALDERSON	90									80	15	90	
Moderate	2-3	8330-737	01-20-016-11W4	WE	16-17-016-11W4	ALDERSON	60									80	15	90	
Moderate	2-3	2665-749	12-21-016-11W4	WE	08-20-016-11W4	ALDERSON	60									80	15	90	
Moderate	2-3	2332-763	03-19-016-11W4	WE	15-18-016-11W4	ALDERSON	60									60	15	90	
Moderate	2-3	2832-764	04-27-016-11W4	BE	14-22-016-11W4	ALDERSON										60	15	90	
Moderate	2-3	4831-791	14-22-016-11W4	BE	16-22-016-11W4	ALDERSON										40	15	90	
Moderate	2-3	13755-6	01-07-016-16W4	PL	05-32-015-16W4	ENCHANT	60	60				4		90	30	40	20	90	
Moderate	2-3	37039-2	01-05-016-16W4	WE	01-05-016-16W4	ENCHANT	90									40	10	90	
Moderate	2-3	6031-6	09-13-016-17W4	PL	07-31-015-16W4	HECTOR	30	60					20			160	40	60	
Moderate	2-3	33391-2	16-29-016-18W4	BE	11-28-016-18W4	BADGER										60	15	90	
Moderate	2-3	4827-12	16-18-016-19W4	PL	14-17-016-19W4	ARMADA	60									60	15	90	
Moderate	2-3	57134-2	02-34-016-21W4	BE	06-34-016-21W4	LONG COULEE										60	15	90	
Moderate	2-3	32566-4	08-33-016-21W4	BE	06-34-016-21W4	LONG COULEE										60	15	90	
Moderate	2-3	4899-1	06-15-015-10W4	S	10-10-015-10W4	ALDERSON	60									80	20	90	
Moderate	2-3	21032-16	13-09-015-10W4	BE	16-08-015-10W4	ALDERSON										120	15	90	
Moderate	2-3	22946-16	13-17-015-10W4	S	13-17-015-10W4	ALDERSON	90									40	10	90	
Moderate	2-3	8246-474	05-32-015-11W4	BE	11-32-015-11W4	ALDERSON										80	15	90	
Moderate	2-3	27408-23	13-06-015-26W4	WE	01-01-015-27W4	PARKLAND NORTHEAST	30									160	20	90	
Moderate	2-3	5424-42	12-08-015-26W4	WE	03-08-015-26W4	PARKLAND NORTHEAST	90									80	15	90	
Moderate	2-3	17986-2	13-01-015-27W4	BE	07-11-015-27W4	PARKLAND NORTHEAST										80	20	90	
Moderate	2-3	14846-34	02-02-015-27W4	WE	12-01-015-27W4	PARKLAND NORTHEAST	30									160	20	90	
Moderate	2-3	28550-36	11-13-015-27W4	WE	01-24-015-27W4	PARKLAND NORTHEAST	60									80	20	90	
Moderate	2-3	13427-26	13-31-014-07W4	BE	16-36-014-08W4	MEDICINE HAT										40	10	90	
Moderate	2-3	29355-1	16-32-014-07W4	BE	10-33-014-07W4	MEDICINE HAT										80	20	90	
Moderate	2-3	6122-268	12-05-014-09W4	BE	08-06-014-09W4	ALDERSON										60	15	90	
Moderate	2-3	12245-310	04-18-014-09W4	WE	06-18-014-09W4	ALDERSON	90									80	15	90	
Moderate	2-3	7653-179	08-02-014-10W4	BE	07-02-014-10W4	ALDERSON										60	15	90	
Moderate	2-3	10018-325	02-20-014-10W4	WE	07-20-014-10W4	ALDERSON	90									80	15	90	
Moderate	2-3	13671-21	05-34-014-10W4	BE	04-34-014-10W4	ALDERSON										40	10	90	
Moderate	2-3	5258-30	13-27-014-10W4	BE	04-34-014-10W4	ALDERSON										40	10	90	
Moderate	2-3	17746-2	05-30-014-10W4	BE	15-30-014-10W4	ALDERSON										80	20	90	
Moderate	2-3	3581-806	02-26-014-11W4	PL	06-26-014-11W4	ALDERSON	60	60						90	30	60	15	90	
Moderate	2-3	33591-5	16-29-014-15W4	BE	08-29-014-15W4	ALDERSON										60	15	90	
Moderate	2-3	1617-21	10-20-014-16W4	CS	11-09-014-16W4	ENCHANT		60				4		90	30	40	20	90	
Moderate	2-3	5852-5	08-31-014-16W4	BE	06-32-014-16W4	ENCHANT										40	15	90	
Moderate	2-3	10673-10	14-22-014-16W4	PL	05-27-014-16W4	ENCHANT	60	60				4		90	30	80	20	90	
Moderate	2-3	18317-23	15-06-014-16W4	BE	08-07-014-16W4	ENCHANT										160	20	90	
Moderate	2-3	11852-24	16-06-014-16W4	WE	08-07-014-16W4	ENCHANT	60									40	10	90	
Moderate	2-3	11313-32	03-17-014-16W4	WE	14-09-014-16W4	ENCHANT	30	60						90	60	160	20	90	
Moderate	2-3	20741-33	07-09-014-16W4	WE	14-09-014-16W4	ENCHANT	90									120	15	90	
Moderate	2-3	15084-34	09-07-014-16W4	BE	08-07-014-16W4	ENCHANT										40	10	90	
Moderate	2-3	3771-35	02-09-014-16W4	WE	13-04-014-16W4	ENCHANT	60									120	15	90	
Moderate	2-3	22049-2	07-08-014-16W4	BE	08-07-014-16W4	ENCHANT										160	20	90	
Moderate	2-3	24967-4	01-08-014-16W4	BE	07-08-014-16W4	ENCHANT										80	20	90	
Moderate	2-3	14415-2	03-16-014-16W4	PL	07-22-014-16W4	ENCHANT	60									80	20	90	
Moderate	2-3	25409-47	06-10-014-26W4	WE	01-15-014-26W4	PEACOCK	60									160	20	90	
Moderate	2-3	13433-2	07-23-014-27W4	WE	01-23-014-27W4	PEACOCK	60									80	15	90	
Moderate	2-3	16951-10	02-06-014-27W4	WE	11-06-014-27W4	PEACOCK	30									160	20	90	
Moderate	2-3	42097-1	01-21-014-27W4	WE	05-21-014-27W4	PEACOCK	30									160	20	90	
Moderate	2-3	7923-25	05-02-014-28W4	BE	01-02-014-28W4	EASTMONT										80	20	90	
Moderate	2-3	1141-8	11-13-013-01W4	PL	05-13-013-01W4	MEDICINE HAT	60	60				4		90	30	40	15	90	
Moderate	2-3	8357-18	16-14-013-01W4	BE	08-14-013-01W4	MEDICINE HAT										80	15	90	
Moderate	2-3	5053-38	16-18-013-01W4	WE	14-17-013-01W4	MEDICINE HAT	90									40	15	90	
Moderate	2-3	22640-17	16-03-013-01W4	WE	16-02-013-01W4	MEDICINE HAT	60									160	20	90	
Moderate	2-3	4883-19	16-09-013-01W4	WE	08-16-013-01W4	MEDICINE HAT	60									60	15	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/Slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	14816-3	11-11-013-01W4	PL	14-11-013-01W4	MEDICINE HAT	90									60	15	90	
Moderate	2-3	55708-7	11-11-013-01W4	BE	11-11-013-01W4	MEDICINE HAT										80	20	90	
Moderate	2-3	12517-1	12-36-013-02W4	WE	14-36-013-02W4	MEDICINE HAT	90									80	15	90	
Moderate	2-3	4891-74	16-17-013-03W4	WE	10-17-013-03W4	MEDICINE HAT	90									80	15	90	
Moderate	2-3	1717-21	12-36-013-04W4	PL	16-26-013-04W4	MEDICINE HAT	60	60				4		90	30	40	20	90	
Moderate	2-3	5155-76	16-14-013-04W4	WE	11-13-013-04W4	MEDICINE HAT	60	60						90	30	40	15	90	
Moderate	2-3	10178-89	06-03-013-04W4	WE	10-03-013-04W4	MEDICINE HAT	60	60				4		90	30	40	20	90	
Moderate	2-3	4626-211	08-02-013-04W4	PL	10-02-013-04W4	MEDICINE HAT	30									80	20	90	
Moderate	2-3	2582-634	07-30-013-10W4	WE	14-30-013-10W4	ALDERSON	60	60						90	60	80	20	90	
Moderate	2-3	17465-14	08-15-013-10W4	WE	16-15-013-10W4	ALDERSON	60	60						90	30	60	15	90	
Moderate	2-3	8732-19	16-14-013-10W4	WE	14-14-013-10W4	ALDERSON	60									80	20	90	
Moderate	2-3	9148-26	14-18-013-10W4	WE	16-18-013-10W4	ALDERSON	90									80	15	90	
Moderate	2-3	37009-28	16-13-013-11W4	WE	14-18-013-10W4	ALDERSON	90									80	15	90	
Moderate	2-3	4246-7	16-01-013-13W4	BE	07-12-013-13W4	RONALANE										120	15	90	
Moderate	2-3	20034-8	01-33-013-14W4	BE	02-33-013-14W4	HAYS										40	10	90	
Moderate	2-3	13028-2	11-31-013-14W4	PL	11-31-013-14W4	HAYS	90									20	10	90	
Moderate	2-3	18710-2	14-29-013-15W4	BE	05-28-013-15W4	ENCHANT										80	20	90	
Moderate	2-3	17307-7	14-21-013-15W4	BE	09-21-013-15W4	ENCHANT										80	20	90	
Moderate	2-3	12863-9	12-22-013-15W4	BE	09-21-013-15W4	ENCHANT										40	10	90	
Moderate	2-3	21049-10	11-22-013-15W4	PL	09-21-013-15W4	ENCHANT	90									120	15	90	
Moderate	2-3	19879-20	16-20-013-15W4	WE	05-28-013-15W4	ENCHANT	60									120	15	90	
Moderate	2-3	19178-22	14-29-013-15W4	PL	05-28-013-15W4	ENCHANT	30	60				4		90	30	80	20	90	
Moderate	2-3	8419-24	10-16-013-15W4	BE	06-16-013-15W4	ENCHANT										80	15	90	
Moderate	2-3	2572-26	06-16-013-15W4	S	09-21-013-15W4	ENCHANT	30									160	20	90	
Moderate	2-3	11708-1	02-31-013-15W4	BE	06-31-013-15W4	ENCHANT										40	10	90	
Moderate	2-3	6929-34	14-06-013-15W4	BE	08-01-013-16W4	ENCHANT										160	20	90	
Moderate	2-3	4454-37	03-07-013-15W4	WE	04-07-013-15W4	ENCHANT	90									40	10	90	
Moderate	2-3	6187-38	04-07-013-15W4	WE	01-12-013-16W4	ENCHANT	60									120	15	90	
Moderate	2-3	12731-1	11-11-013-15W4	BE	06-12-013-15W4	HAYS										160	20	90	
Moderate	2-3	13301-4	02-05-013-15W4	BE	11-05-013-15W4	ENCHANT										160	20	90	
Moderate	2-3	7477-1	11-23-013-15W4	BE	12-24-013-15W4	ENCHANT										80	20	90	
Moderate	2-3	27817-4	14-23-013-15W4	WE	06-23-013-15W4	ENCHANT	60	60						90	30	120	15	90	
Moderate	2-3	6502-7	11-23-013-15W4	BE	06-23-013-15W4	ENCHANT										40	10	90	
Moderate	2-3	7649-1	11-23-013-15W4	BE	06-23-013-15W4	ENCHANT										40	10	90	
Moderate	2-3	11936-2	05-11-013-15W4	BE	11-11-013-15W4	HAYS										60	15	90	
Moderate	2-3	5054-4	14-15-013-16W4	S	08-21-013-16W4	ENCHANT	60	60				4		90	30	80	20	90	
Moderate	2-3	23344-6	09-20-013-16W4	WE	08-21-013-16W4	ENCHANT	60									160	20	90	
Moderate	2-3	8423-17	13-11-013-16W4	WE	05-14-013-16W4	ENCHANT										120	15	90	
Moderate	2-3	8166-20	05-12-013-16W4	WE	06-12-013-16W4	ENCHANT	60									120	15	90	
Moderate	2-3	5939-26	01-11-013-16W4	WE	03-12-013-16W4	ENCHANT	30									80	20	90	
Moderate	2-3	3464-28	01-12-013-16W4	BE	03-12-013-16W4	ENCHANT										80	15	90	
Moderate	2-3	18808-32	13-12-013-16W4	BE	05-14-013-16W4	ENCHANT										160	20	90	
Moderate	2-3	21287-5	03-09-013-19W4	BE	06-09-013-19W4	RETLOW										20	10	90	
Moderate	2-3	11917-2	13-16-013-19W4	BE	06-16-013-19W4	RETLOW										80	20	90	
Moderate	2-3	24166-5	10-16-013-19W4	WE	06-16-013-19W4	RETLOW	60									80	15	90	
Moderate	2-3	25124-16	11-19-013-26W4	WE	06-25-013-27W4	CLARESHOLM	30									160	20	90	
Moderate	2-3	7994-44	07-29-013-26W4	PL	11-19-013-26W4	CLARESHOLM	30									160	20	90	
Moderate	2-3	19128-48	01-19-013-26W4	PL	11-19-013-26W4	CLARESHOLM	60									80	20	90	
Moderate	2-3	30692-4	08-33-013-26W4	WE	06-27-013-26W4	CLARESHOLM	60									80	20	90	
Moderate	2-3	38487-13	03-19-013-26W4	WE	08-24-013-27W4	CLARESHOLM	60									80	15	90	
Moderate	2-3	27199-21	08-16-013-27W4	WE	11-14-013-27W4	CLARESHOLM	60	60				4		90	30	40	20	90	
Moderate	2-3	26071-3	04-01-013-27W4	WE	11-01-013-27W4	CLARESHOLM	60									80	15	90	
Moderate	2-3	10734-3	06-29-013-27W4	WE	03-28-013-27W4	PEACOCK	30									160	20	90	
Moderate	2-3	6477-160	11-13-012-04W4	PL	01-13-013-04W4	MEDICINE HAT	30	60				4		90	30	40	20	90	
Moderate	2-3	11954-76	06-03-012-08W4	BE	16-33-011-08W4	MEDICINE HAT										160	20	90	
Moderate	2-3	13262-85	03-23-012-08W4	BE	05-14-012-08W4	MEDICINE HAT										40	15	90	
Moderate	2-3	9339-150	06-31-012-08W4	BE	06-30-012-08W4	BOW ISLAND										160	20	90	
Moderate	2-3	11020-154	16-19-012-08W4	BE	06-20-012-08W4	MEDICINE HAT										160	20	90	
Moderate	2-3	3362-190	15-20-012-08W4	BE	11-20-012-08W4	MEDICINE HAT										60	15	90	
Moderate	2-3	12888-134	06-35-012-09W4	BE	04-36-012-09W4	BOW ISLAND										160	20	90	
Moderate	2-3	9899-135	06-36-012-09W4	BE	04-36-012-09W4	BOW ISLAND										60	15	90	
Moderate	2-3	1867-146	16-11-012-09W4	BE	06-12-012-09W4	BOW ISLAND										160	20	90	
Moderate	2-3	13822-180	16-36-012-09W4	BE	14-36-012-09W4	BOW ISLAND										60	15	90	
Moderate	2-3	8592-193	16-23-012-09W4	BE	10-23-012-09W4	BOW ISLAND										80	20	90	
Moderate	2-3	2558-54	14-06-012-13W4	BE	02-06-012-13W4	GRAND FORKS										80	20	90	
Moderate	2-3	2607-60	08-31-012-13W4	WE	07-32-012-13W4	GRAND FORKS	60									160	20	90	
Moderate	2-3	4600-5	13-25-012-13W4	BE	16-26-012-13W4	RONALANE										80	15	90	

							STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Moderate	2-3	16959-1	02-09-012-13W4	BE	01-09-012-13W4	GRAND FORKS										40	10	90
Moderate	2-3	9841-4	11-10-012-13W4	WE	15-15-012-13W4	GRAND FORKS	30	60						90	60	160	20	90
Moderate	2-3	11008-3	12-27-012-13W4	WE	05-27-012-13W4	GRAND FORKS	90									40	10	90
Moderate	2-3	8812-8	01-36-012-14W4	BE	02-36-012-14W4	GRAND FORKS										40	10	90
Moderate	2-3	14058-11	08-13-012-14W4	BE	03-13-012-14W4	GRAND FORKS										80	20	90
Moderate	2-3	3081-12	15-14-012-14W4	WE	07-23-012-14W4	GRAND FORKS	90									80	15	90
Moderate	2-3	14058-16	04-08-012-14W4	BE	16-06-012-14W4	ENCHANT										60	15	90
Moderate	2-3	11747-17	02-07-012-14W4	BE	16-06-012-14W4	ENCHANT										40	15	90
Moderate	2-3	11362-19	11-23-012-14W4	PL	09-23-012-14W4	GRAND FORKS	30									80	20	90
Moderate	2-3	9011-4	01-36-012-14W4	BE	02-36-012-14W4	GRAND FORKS										40	10	90
Moderate	2-3	20112-16	06-06-012-16W4	WE	11-06-012-16W4	RETLAW	60	60			4			90	30	80	15	90
Moderate	2-3	16760-9	09-01-012-17W4	WE	12-06-012-16W4	RETLAW	60	60						90	30	40	10	90
Moderate	2-3	6913-14	03-13-012-17W4	WE	16-12-012-17W4	ENCHANT	30	60						90	60	160	20	90
Moderate	2-3	17071-6	06-08-012-17W4	BE	08-07-012-17W4	VAUXHALL										120	15	90
Moderate	2-3	53045-1	11-17-012-17W4	WE	06-08-012-17W4	VAUXHALL	30									160	20	90
Moderate	2-3	18772-2	09-13-012-18W4	WE	08-13-012-18W4	VAUXHALL	90									40	10	90
Moderate	2-3	24290-1	01-13-012-18W4	BE	08-13-012-18W4	VAUXHALL										60	15	90
Moderate	2-3	29404-2	15-13-012-18W4	BE	08-13-012-18W4	VAUXHALL										80	20	90
Moderate	2-3	27480-17	04-07-012-26W4	PL	13-31-011-26W4	EASTMONT	60									160	20	90
Moderate	2-3	5327-60	10-04-012-26W4	WE	06-33-011-26W4	GRANUM	60									160	20	90
Moderate	2-3	15142-85	08-21-012-27W4	WE	09-21-012-27W4	EASTMONT	60									80	15	90
Moderate	2-3	25774-1	07-08-012-27W4	WE	01-08-012-27W4	EASTMONT	60									80	15	90
Moderate	2-3	3630-2	01-08-012-27W4	PL	08-05-012-27W4	EASTMONT	60									80	20	90
Moderate	2-3	3925-70	14-11-012-28W4	B	02-03-012-28W4	EASTMONT	60					20				160	20	90
Moderate	2-3	23554-109	09-11-012-28W4	WE	16-11-012-28W4	EASTMONT	60									80	15	90
Moderate	2-3	10460-53	14-22-011-08W4	BE	06-27-011-08W4	MEDICINE HAT										60	15	90
Moderate	2-3	13262-65	14-27-011-08W4	BE	06-34-011-08W4	MEDICINE HAT										80	15	90
Moderate	2-3	16395-26	14-25-011-11W4	BE	07-25-011-11W4	BOW ISLAND										120	15	90
Moderate	2-3	15134-40	14-12-011-11W4	BE	12-12-011-11W4	BOW ISLAND										160	20	90
Moderate	2-3	1791-14	13-29-011-13W4	BE	05-32-011-13W4	GRAND FORKS										80	15	90
Moderate	2-3	852-49	05-32-011-13W4	BE	12-32-011-13W4	GRAND FORKS										40	10	90
Moderate	2-3	6737-74	16-31-011-13W4	BE	09-31-011-13W4	GRAND FORKS										40	10	90
Moderate	2-3	1535-126	09-31-011-13W4	BE	12-32-011-13W4	GRAND FORKS										40	10	90
Moderate	2-3	7505-131	05-32-011-13W4	WE	05-32-011-13W4	BOW ISLAND	90									40	10	90
Moderate	2-3	17245-6	07-32-011-13W4	BE	09-33-011-13W4	GRAND FORKS										160	20	90
Moderate	2-3	18487-3	07-36-011-14W4	BE	10-07-012-13W4	GRAND FORKS										160	20	90
Moderate	2-3	23519-4	02-14-011-14W4	WE	01-14-011-14W4	GRAND FORKS	90									40	10	90
Moderate	2-3	14537-18	09-17-011-16W4	BE	09-17-011-16W4	TABER NORTH										40	10	90
Moderate	2-3	15613-23	12-17-011-16W4	BE	09-17-011-16W4	TABER NORTH										160	20	90
Moderate	2-3	1812-13	13-01-011-16W4	BE	13-01-011-16W4	TABER NORTH										80	15	90
Moderate	2-3	7611-19	06-01-011-16W4	PL	12-01-011-16W4	TABER NORTH	60	60			4			90	30	80	15	90
Moderate	2-3	5074-20	03-01-011-16W4	PL	06-01-011-16W4	TABER NORTH	60	60			4			90	30	80	15	90
Moderate	2-3	6886-23	03-01-011-16W4	PL	06-01-011-16W4	TABER NORTH	60									120	15	90
Moderate	2-3	2899-25	09-02-011-16W4	WE	08-02-011-16W4	TABER NORTH	60	60						90	30	80	15	90
Moderate	2-3	9967-32	02-01-011-16W4	BE	03-01-011-16W4	TABER NORTH	60									40	10	90
Moderate	2-3	16309-34	04-01-011-16W4	PL	05-01-011-16W4	TABER NORTH								90	30	80	15	90
Moderate	2-3	12122-3	09-18-011-16W4	BE	07-18-011-16W4	TABER NORTH										20	10	90
Moderate	2-3	22157-21	14-02-011-16W4	BE	13-02-011-16W4	TABER NORTH										120	15	90
Moderate	2-3	16834-2	09-18-011-16W4	BE	12-17-011-16W4	TABER NORTH										40	10	90
Moderate	2-3	11122-3	12-17-011-16W4	BE	10-17-011-16W4	TABER NORTH										80	15	90
Moderate	2-3	39399-5	02-11-011-16W4	BE	16-02-011-16W4	TABER NORTH										120	15	90
Moderate	2-3	34305-51	03-18-011-16W4	BE	07-13-011-17W4	TABER NORTH										160	20	90
Moderate	2-3	6844-7	10-02-011-17W4	BE	16-02-011-17W4	RETLAW										40	10	90
Moderate	2-3	6946-22	12-01-011-17W4	BE	05-01-011-17W4	RETLAW										40	10	90
Moderate	2-3	9499-27	14-01-011-17W4	BE	12-01-011-17W4	RETLAW										80	15	90
Moderate	2-3	4494-34	06-01-011-17W4	WE	11-01-011-17W4	RETLAW	60									80	15	90
Moderate	2-3	8274-35	04-01-011-17W4	WE	12-01-011-17W4	RETLAW	60									120	15	90
Moderate	2-3	15042-63	01-13-011-17W4	BE	07-13-011-17W4	RETLAW										80	15	90
Moderate	2-3	5841-7	06-23-011-18W4	BE	14-14-011-18W4	RETLAW										160	20	90
Moderate	2-3	7844-8	06-23-011-18W4	BE	14-14-011-18W4	RETLAW										80	20	90
Moderate	2-3	11516-9	07-26-011-18W4	BE	03-26-011-18W4	RETLAW										120	15	90
Moderate	2-3	9334-2	06-18-011-18W4	BE	14-07-011-18W4	RETLAW										80	20	90
Moderate	2-3	3111-4	04-07-011-18W4	BE	02-07-011-18W4	RETLAW										80	15	90
Moderate	2-3	4387-3	09-06-011-18W4	BE	16-06-011-18W4	RETLAW										60	15	90
Moderate	2-3	4725-12	13-05-011-18W4	BE	15-05-011-18W4	RETLAW										60	15	90
Moderate	2-3	43198-3	16-05-011-18W4	BE	07-05-011-18W4	RETLAW										80	15	90
Moderate	2-3	19027-20	07-05-011-18W4	S	01-05-011-18W4	RETLAW										40	10	90

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	41414-3	02-07-011-18W4	BE	01-07-011-18W4	RETLAW										80	15	90	
Moderate	2-3	11533-4	01-07-011-18W4	PL	01-08-011-18W4	RETLAW	30	60				4		90	30	80	20	90	
Moderate	2-3	51898-7	03-18-011-18W4	BE	14-07-011-18W4	RETLAW										120	15	90	
Moderate	2-3	6814-9	13-07-011-18W4	BE	14-07-011-18W4	RETLAW										120	15	90	
Moderate	2-3	18446-9	01-12-011-19W4	BE	06-07-011-18W4	RETLAW										80	15	90	
Moderate	2-3	16213-1	09-18-011-19W4	BE	14-17-011-19W4	RETLAW										60	15	90	
Moderate	2-3	39841-11	09-12-011-19W4	WE	14-07-011-18W4	RETLAW	60	60				4		90	30	80	20	90	
Moderate	2-3	29796-2	08-12-011-20W4	BE	09-18-011-19W4	IRON SPRINGS										160	20	90	
Moderate	2-3	19628-61	07-19-011-25W4	WE	11-19-011-25W4	GRANUM	90									80	15	90	
Moderate	2-3	13179-51	10-21-011-27W4	WE	02-28-011-27W4	EASTMONT	60									80	15	90	
Moderate	2-3	26919-52	13-22-011-27W4	WE	10-21-011-27W4	EASTMONT	60									80	15	90	
Moderate	2-3	21030-56	02-16-011-27W4	PL	07-15-011-27W4	EASTMONT	60									80	20	90	
Moderate	2-3	22152-73	09-14-011-27W4	WE	07-24-011-27W4	EASTMONT	60									160	20	90	
Moderate	2-3	15702-80	14-17-011-27W4	WE	06-20-011-27W4	GRANUM	60									80	15	90	
Moderate	2-3	12898-88	05-21-011-27W4	PL	10-21-011-27W4	EASTMONT	60									60	15	90	
Moderate	2-3	21311-90	16-15-011-27W4	WE	02-14-011-27W4	AMELIA	30									160	20	90	
Moderate	2-3	6449-100	04-05-011-27W4	WE	05-31-010-27W4	EASTMONT	60									160	20	90	
Moderate	2-3	3084-105	02-21-011-27W4	WE	05-21-011-27W4	EASTMONT	90									80	15	90	
Moderate	2-3	7089-9	16-10-011-27W4	WE	12-11-011-27W4	EASTMONT	60									80	15	90	
Moderate	2-3	24814-16	05-34-011-27W4	WE	01-33-011-27W4	EASTMONT	60									80	15	90	
Moderate	2-3	10634-19	05-09-011-27W4	WE	16-04-011-27W4	EASTMONT	60									160	20	90	
Moderate	2-3	19628-94	16-36-011-28W4	WE	07-06-012-27W4	EASTMONT	30									160	20	90	
Moderate	2-3	12154-14	08-14-011-28W4	WE	06-13-011-28W4	EASTMONT	60									80	15	90	
Moderate	2-3	10963-167	09-04-010-16W4	BE	10-04-010-16W4	TABER	60									40	10	90	
Moderate	2-3	17546-26	11-35-010-16W4	WE	06-35-010-16W4	TABER NORTH	60									40	10	90	
Moderate	2-3	8246-33	13-25-010-16W4	WE	05-36-010-16W4	TABER	60	60				4		90	30	80	15	90	
Moderate	2-3	14036-34	12-25-010-16W4	BE	05-36-010-16W4	TABER										160	20	90	
Moderate	2-3	14961-2	06-18-010-16W4	PL	13-18-010-16W4	TABER	60	60						90	30	40	10	90	
Moderate	2-3	18746-11	04-18-010-16W4	WE	06-18-010-16W4	TABER	60	60						90	30	120	15	90	
Moderate	2-3	20773-31	16-20-010-16W4	WE	13-20-010-16W4	TABER NORTH	30									80	20	90	
Moderate	2-3	19759-35	15-07-010-16W4	BE	12-07-010-16W4	TABER										160	20	90	
Moderate	2-3	14439-40	11-17-010-16W4	PL	15-07-010-16W4	TABER NORTH	60	60				4		90	30	160	20	90	
Moderate	2-3	5803-5	11-35-010-16W4	WE	11-35-010-16W4	TABER NORTH	60									40	10	90	
Moderate	2-3	26114-15	13-25-010-16W4	WE	16-26-010-16W4	TABER	60									120	15	90	
Moderate	2-3	7086-188	13-13-010-17W4	WE	13-13-010-17W4	TABER	60	60						90	30	40	10	90	
Moderate	2-3	7429-203	13-13-010-17W4	PL	04-24-010-17W4	TABER	90									40	10	90	
Moderate	2-3	2400-209	08-16-010-17W4	PL	05-15-010-17W4	TABER	90									40	10	90	
Moderate	2-3	6286-213	12-10-010-17W4	WE	13-10-010-17W4	TABER NORTH	90									40	10	90	
Moderate	2-3	5829-219	11-16-010-17W4	PL	11-16-010-17W4	TABER NORTH	90									40	10	90	
Moderate	2-3	21223-37	04-10-010-17W4	PL	16-04-010-17W4	TABER NORTH	60	60						90	30	40	10	90	
Moderate	2-3	9962-51	04-10-010-17W4	WE	04-10-010-17W4	TABER NORTH	60	60						90	30	40	10	90	
Moderate	2-3	7796-64	08-05-010-17W4	BE	05-04-010-17W4	TABER NORTH										40	10	90	
Moderate	2-3	21007-90	04-09-010-17W4	BE	03-09-010-17W4	TABER										40	10	90	
Moderate	2-3	9962-91	04-10-010-17W4	WE	16-04-010-17W4	TABER NORTH	60									40	10	90	
Moderate	2-3	6247-38	09-02-010-17W4	BE	08-02-010-17W4	TABER										40	10	90	
Moderate	2-3	11713-41	08-11-010-17W4	BE	01-11-010-17W4	TABER NORTH										40	10	90	
Moderate	2-3	9631-45	16-01-010-17W4	BE	16-01-010-17W4	TABER										40	10	90	
Moderate	2-3	15618-52	08-02-010-17W4	WE	15-36-009-17W4	TABER	60	60				4		90	30	80	20	90	
Moderate	2-3	7657-1	10-26-010-18W4	BE	03-35-011-18W4	RETLAW										40	15	90	
Moderate	2-3	17705-28	08-19-010-18W4	BE	04-20-010-18W4	RETLAW										80	15	90	
Moderate	2-3	4173-1	11-28-010-18W4	S	08-32-010-18W4	RETLAW	60									160	20	90	
Moderate	2-3	6157-1	04-24-010-18W4	BE	02-23-010-18W4	RETLAW										60	15	90	
Moderate	2-3	31370-23	14-27-010-18W4	BE	10-27-010-18W4	RETLAW										80	15	90	
Moderate	2-3	34456-27	06-27-010-18W4	WE	10-27-010-18W4	RETLAW	60									120	15	90	
Moderate	2-3	28799-28	06-27-010-18W4	WE	10-27-010-18W4	RETLAW	60									120	15	90	
Moderate	2-3	46585-2	13-32-010-18W4	B	01-05-011-18W4	RETLAW	60	60						90	30	20	10	90	
Moderate	2-3	13740-36	09-22-010-27W4	WE	06-02-011-27W4	AMELIA	60						20			160	20	90	
Moderate	2-3	48109-10	10-24-010-27W4	WE	13-13-010-27W4	EASTMONT	60									160	20	90	
Moderate	2-3	2206-9	03-08-009-16W4	WE	16-05-009-16W4	TABER	60	60						90	30	80	20	90	
Moderate	2-3	8274-18	08-08-009-16W4	BE	16-05-009-16W4	TABER										160	20	90	
Moderate	2-3	11396-192	13-29-009-16W4	S	04-29-009-16W4	TABER	90									120	15	90	
Moderate	2-3	4904-194	15-18-009-16W4	PL	07-19-009-16W4	TABER	60									160	20	90	
Moderate	2-3	3462-195	07-19-009-16W4	S	02-30-009-16W4	TABER	60									160	20	90	
Moderate	2-3	1442-197	05-20-009-16W4	PL	12-20-009-16W4	TABER	90									40	10	90	
Moderate	2-3	21658-5	12-33-009-16W4	BE	09-32-009-16W4	TABER										40	10	90	
Moderate	2-3	7669-14	13-14-009-17W4	BE	16-15-009-17W4	TABER										40	10	90	
Moderate	2-3	13357-46	03-16-009-17W4	WE	02-16-009-17W4	TBC	60	60				4		90	30	40	10	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/Slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	2-3	13729-17	13-21-008-10W4	WE	04-28-008-10W4	FORTY MILE	60									80	15	90	
Moderate	2-3	13729-12	06-35-008-11W4	WE	08-34-008-11W4	FORTY MILE	60									80	15	90	
Moderate	2-3	3811-40	12-29-008-16W4	BE	09-30-008-16W4	TABER										40	10	90	
Moderate	2-3	12000-83	16-30-008-16W4	WE	16-30-008-16W4	TABER	60	60						90	30	40	10	90	
Moderate	2-3	6635-101	15-30-008-16W4	BE	10-30-008-16W4	TABER										40	10	90	
Moderate	2-3	11717-154	11-28-008-16W4	BE	11-28-008-16W4	TABER										40	10	90	
Moderate	2-3	8894-162	07-30-008-16W4	BE	07-30-008-16W4	TABER										40	10	90	
Moderate	2-3	1694-190	06-32-008-16W4	WE	06-32-008-16W4	TABER	60	60						90	30	40	10	90	
Moderate	2-3	13976-247	07-30-008-16W4	BE	07-30-008-16W4	TABER										40	10	90	
Moderate	2-3	3811-254	09-30-008-16W4	PL	16-30-008-16W4	TABER	90									40	10	90	
Moderate	2-3	41608-3	04-20-008-16W4	WE	03-19-008-16W4	TABER	30									80	20	90	
Moderate	2-3	7341-198	13-13-008-17W4	BE	13-13-008-17W4	TABER										40	10	90	
Moderate	2-3	9600-250	13-13-008-17W4	BE	12-13-008-17W4	TABER										40	10	90	
Moderate	2-3	14098-42	14-16-007-14W4	BE	13-16-007-14W4	CHIN COULEE										40	10	90	
Moderate	2-3	16713-10	11-29-007-14W4	WE	12-29-007-14W4	SEDGEWICK	60									40	10	90	
Moderate	2-3	5639-68	15-35-007-15W4	BE	09-35-007-15W4	CHIN COULEE										80	15	90	
Moderate	2-3	55181-332	02-07-007-16W4	BE	02-07-007-16W4	WRENTHAM										40	10	90	
Moderate	2-3	52833-402	05-19-007-16W4	WE	05-19-007-16W4	TABER SOUTH	90									40	10	90	
Moderate	2-3	27590-114	12-18-007-17W4	WE	01-24-007-17W4	TABER SOUTH	60	60				4		90	30	80	15	90	
Moderate	2-3	18582-58	13-33-006-10W4	PL	16-33-006-10W4	PENDANT D'OREILLE	60									80	20	90	
Moderate	2-3	8259-87	16-33-006-10W4	WE	02-34-006-10W4	PENDANT D'OREILLE	60									160	20	90	
Moderate	2-3	16039-2	14-32-006-16W4	WE	16-31-006-16W4	CONRAD	60	60						90	30	60	15	90	
Moderate	2-3	27585-44	04-31-005-11W4	PL	06-32-005-11W4	SMITH COULEE	60	60				4		90	30	40	20	90	
Moderate	2-3	15010-10	06-20-005-12W4	PL	15-20-005-12W4	SMITH COULEE	90									60	15	90	
Moderate	2-3	27685-57	16-07-005-12W4	PL	16-08-005-12W4	SMITH COULEE	60									80	20	90	
Moderate	2-3	3669-81	07-25-005-13W4	WE	16-24-005-13W4	SMITH COULEE	60									80	15	90	
Moderate	2-3	13672-108	01-36-005-17W4	WE	01-36-005-17W4	TBC	90									40	10	90	
Moderate	2-3	32721-7	10-25-005-17W4	PL	15-25-005-17W4	WRENTHAM	90									40	10	90	
Moderate	2-3	16950-23	16-19-004-10W4	WE	06-19-004-10W4	SMITH COULEE	60	60						60	90	160	20	90	
Moderate	2-3	5650-25	16-35-004-11W4	WE	06-35-004-11W4	SMITH COULEE	60	60						60	60	80	20	90	
Moderate	2-3	13343-1	02-02-003-12W4	BE	14-34-002-12W4	FAITH										80	20	90	
Moderate	2-3	24615-5	12-04-002-11W4	BE	10-05-002-11W4	KNAPPEN										60	15	90	
Moderate	2-3	17947-3	02-28-002-11W4	PL	11-21-002-11W4	KNAPPEN	60									60	15	90	
Moderate	2-3	32598-26	10-19-002-11W4	BE	07-19-002-11W4	KNAPPEN										60	15	90	
Moderate	2-3	24907-27	05-22-002-11W4	BE	11-21-002-11W4	KNAPPEN										80	20	90	
Moderate	2-3	7325-38	11-11-002-11W4	PL	10-15-002-11W4	KNAPPEN	60									160	20	90	
Moderate	2-3	21978-19	09-22-002-12W4	BE	02-27-002-12W4	PHILP										60	15	90	
Moderate	2-3	39373-2	09-27-002-12W4	BE	15-27-002-12W4	PHILP										60	15	90	
Moderate	2-3	16996-15	07-16-001-11W4	BE	12-16-001-11W4	KNAPPEN										60	15	90	
Moderate	2-3	21693-1	14-06-001-11W4	CS	12-05-001-11W4	KNAPPEN	30									80	20	90	
Moderate	2-3	6431-2	07-17-001-12W4	BE	10-08-001-12W4	TEMPLETON										160	20	90	
		0-																	
Moderate	1-5	20405-1	11-08-101-11W6	BE	13-01-101-13W6	PEDIGREE										80			
Moderate	1-5	33361-1	01-06-099-07W6	BE	05-32-098-07W6	CHINCHAGA										40			
Moderate	1-5	26772-8	14-08-099-09W6	BE	04-12-099-10W6	LAPP										40			
Moderate	1-5	19924-4	09-18-062-09W4	PL	15-17-062-09W4	SUGDEN	90					4				40			
Moderate	1-5	31975-1	07-30-062-11W6	WE	04-03-063-11W6	NARRAWAY	90					6				80			
Moderate	1-5	7625-2	12-19-062-12W6	BE	06-04-063-12W6	NARRAWAY										80			
Moderate	1-5	36102-1	06-03-062-12W6	BE	10-12-063-12W6	NARRAWAY										80			
Moderate	1-5	23730-1	09-34-062-13W6	PL	06-36-062-13W6	NARRAWAY	90									4			
Moderate	1-5	4948-106	16-25-062-14W4	PL	07-31-062-13W4	CRAIGEND										4			
Moderate	1-5	20799-58	12-30-062-15W4	BE	16-36-062-16W4	EDWARD	90									40			
Moderate	1-5	5686-18	03-08-062-22W5	PL	02-17-062-22W5	GRIZZLY	90									40			
Moderate	1-5	6654-24	03-23-062-27W5	WE	01-23-062-27W5	SIMONETTE	90					4				40			
Moderate	1-5	17422-5	07-15-061-02W6	PL	03-16-060-02W6	RESTHAVEN	90					8				80			
Moderate	1-5	34097-23	08-03-061-09W6	WE	06-03-061-09W6	LYNX	90					5				40			
Moderate	1-5	13917-30	04-04-061-09W6	WE	06-04-061-09W6	PALLISER	90					4				40			
Moderate	1-5	33219-7	04-21-061-09W6	BE	07-34-061-09W6	LYNX										80			
Moderate	1-5	12739-107	07-29-061-13W4	WE	05-29-061-13W4	CLAY	90					4				40			
Moderate	1-5	7683-3	08-08-061-22W5	WE	11-09-061-22W5	BIGSTONE	90					4				40			
Moderate	1-5	12448-3	15-05-061-22W5	PL	08-08-061-22W5	BIGSTONE	90									40			
Moderate	1-5	22668-1	10-12-060-01W6	WE	01-14-060-01W6	PROVOST	90					4				40			
Moderate	1-5	13331-1	16-14-060-22W5	BE	10-13-060-22W5	KAYBOB SOUTH										40			
Moderate	1-5	43104-2	10-15-060-22W5	BE	16-14-060-22W5	KAYBOB SOUTH										40			
Moderate	1-5	17505-28	05-10-059-01W6	WE	03-03-059-27W5	SMOKY	90					5				80			
Moderate	1-5	12800-7	01-03-059-03W6	PL	07-36-058-03W6	SMOKY	90					4				40			
Moderate	1-5	35557-61	15-09-059-03W6	PL	15-10-059-03W6	SMOKY	90					4				40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	1-5	20116-8	11-15-059-18W5	PL	06-15-059-18W5	KAYBOB SOUTH	90					4				40			
Moderate	1-5	8442-1	08-14-059-20W5	WE	11-13-059-20W5	KAYBOB SOUTH	90					4				40			
Moderate	1-5	4664-14	06-16-059-21W5	BE	10-13-059-21W5	KAYBOB SOUTH										80			
Moderate	1-5	9329-15	10-13-059-21W5	BE	10-17-059-20W5	KAYBOB SOUTH										40			
Moderate	1-5	32605-7	10-16-059-24W5	PL	07-16-059-24W5	PLACID	90					4				40			
Moderate	1-5	26583-8	06-09-059-25W5	WE	05-04-059-25W5	LELAND	90									40			
Moderate	1-5	17468-11	03-16-059-25W5	WE	06-09-059-25W5	LELAND	90									40			
Moderate	1-5	36836-15	02-19-059-25W5	PL	06-17-059-25W5	LELAND	90					4				40			
Moderate	1-5	17505-4	02-06-059-25W5	WE	16-35-058-26W5	LELAND	90					4				40			
Moderate	1-5	11858-6	13-05-059-25W5	WE	02-06-059-25W5	LELAND	90					4				40			
Moderate	1-5	20329-13	05-08-059-25W5	B	13-05-059-25W5	LELAND	90					4				40			
Moderate	1-5	28861-23	07-02-059-26W5	WE	01-02-059-26W5	CARSON CREEK NORTH	90					5				40			
Moderate	1-5	5647-2	07-02-059-26W5	WE	14-34-058-26W5	LELAND	90					11				40			
Moderate	1-5	44611-29	04-09-059-26W5	WE	06-04-059-26W5	LELAND	90					5				40			
Moderate	1-5	11959-2	04-18-059-26W5	WE	05-13-059-27W5	SMOKY	90					4				40			
Moderate	1-5	29828-1	12-16-059-26W5	WE	02-17-059-26W5	PROVOST	90					5				40			
Moderate	1-5	39294-1	05-13-059-27W5	PL	14-28-059-27W5	SMOKY	90					6				80			
Moderate	1-5	27335-4	14-28-059-27W5	PL	02-36-059-01W6	SMOKY	90					4				40			
Moderate	1-5	16711-16	13-20-058-02W6	WE	11-30-058-02W6	SMOKY	90					4				40			
Moderate	1-5	4557-21	14-09-058-02W6	PL	11-23-058-26W5	SMOKY	90					8				80			
Moderate	1-5	9722-4	01-12-058-02W6	PL	13-20-058-02W6	SMOKY	90					4				80			
Moderate	1-5	7576-8	10-16-058-02W6	PL	01-16-058-02W6	SMOKY	90					4				40			
Moderate	1-5	34317-13	01-16-058-02W6	PL	13-09-058-02W6	SMOKY	90					4				40			
Moderate	1-5	23634-2	07-36-058-03W6	GP	14-09-058-02W6	SMOKY	90					4				80			
Moderate	1-5	11002-1	12-34-058-03W6	WE	03-03-059-03W6	SMOKY	90					4				40			
Moderate	1-5	24003-20	06-15-058-04W6	WE	07-16-058-04W6	MOBERLY	90					5				40			
Moderate	1-5	10760-21	07-16-058-04W6	PL	14-16-058-04W6	MOBERLY	90									40			
Moderate	1-5	24835-6	10-05-058-06W6	WE	13-33-057-06W6	FINDLEY	90									40			
Moderate	1-5	8767-35	10-10-058-12W4	BE	10-11-058-12W4	CACHE	90									40			
Moderate	1-5	9928-86	10-05-058-22W5	WE	03-05-058-22W5	SUNDANCE	90									40			
Moderate	1-5	19573-61	05-20-058-23W5	BE	12-17-058-23W5	SUNDANCE	90									40			
Moderate	1-5	8793-63	05-29-058-23W5	WE	12-20-058-23W5	SUNDANCE	90					4				40			
Moderate	1-5	3687-91	08-08-058-23W5	PL	09-08-058-23W5	SUNDANCE	90					4				40			
Moderate	1-5	25443-17	14-31-058-25W5	PL	02-06-059-25W5	LELAND	90					10				40			
Moderate	1-5	9704-3	08-31-058-25W5	PL	14-01-059-25W5	LELAND	90					22				80			
Moderate	1-5	30989-2	11-23-058-26W5	PL	14-23-058-26W5	LELAND	90					4				40			
Moderate	1-5	37596-3	11-25-058-26W5	WE	03-31-058-25W5	LELAND	90									40			
Moderate	1-5	21266-22	11-23-058-26W5	MS	14-23-058-26W5	LELAND	90					4				40			
Moderate	1-5	13585-2	14-23-058-26W5	GP	08-31-058-25W5	LELAND	90					25				40			
Moderate	1-5	23434-1	15-33-058-26W5	BE	01-02-059-26W5	LELAND	90									40			
Moderate	1-5	32752-30	14-34-058-26W5	PL	16-27-058-26W5	LELAND	90					6				40			
Moderate	1-5	10164-3	08-36-058-27W5	WE	07-02-059-26W5	LELAND	90					4				80			
Moderate	1-5	11858-14	10-33-058-27W5	WE	05-34-058-27W5	LELAND	90					9				40			
Moderate	1-5	44611-18	05-36-058-27W5	PL	07-02-059-26W5	LELAND	90					4				80			
Moderate	1-5	56439-1	09-25-058-27W5	WE	08-36-058-27W5	LELAND	90					4				40			
Moderate	1-5	22980-8	08-28-057-02W6	WE	11-02-058-02W6	SMOKY	90					4				80			
Moderate	1-5	18608-19	06-19-057-04W6	MS	14-09-058-02W6	CABIN CREEK	90					25				80			
Moderate	1-5	12901-19	13-33-057-06W6	PL	10-33-057-06W6	FINDLEY	90					4				40			
Moderate	1-5	36836-20	09-24-057-06W6	GP	06-19-057-04W6	LELAND	90					25				80			
Moderate	1-5	37119-18	08-06-057-22W5	PL	04-03-057-23W5	WILD RIVER	90					4				80			
Moderate	1-5	9373-19	06-05-057-22W5	PL	08-06-057-22W5	WILD RIVER	90					4				40			
Moderate	1-5	5926-4	14-36-057-23W5	GP	14-36-057-23W5	SUNDANCE	90					4				20			
Moderate	1-5	6614-2	15-30-057-24W5	BE	04-29-057-24W5	WILD RIVER	90									40			
Moderate	1-5	31748-3	12-21-057-24W5	WE	07-29-057-24W5	WILD RIVER	90					4				40			
Moderate	1-5	12042-5	07-29-057-24W5	PL	15-29-057-24W5	WILD RIVER	90					4				40			
Moderate	1-5	22989-19	09-18-057-24W5	WE	08-19-057-24W5	WILD RIVER	90					4				40			
Moderate	1-5	21347-24	06-33-057-24W5	PL	08-30-057-24W5	WILD RIVER	90					4				40			
Moderate	1-5	39958-44	15-30-057-24W5	PL	08-30-057-24W5	WILD RIVER	90					4				40			
Moderate	1-5	6568-93	06-33-057-24W5	BE	08-30-057-24W5	WILD RIVER	90									40			
Moderate	1-5	36612-1	09-25-057-25W5	WE	01-36-057-25W5	WILD RIVER	90					4				40			
Moderate	1-5	39605-33	07-02-057-27W5	PL	05-16-056-26W5	WILD RIVER	90					4				80			
Moderate	1-5	26203-18	15-19-056-04W6	B	06-19-057-04W6	CABIN CREEK	90					25				80			
Moderate	1-5	11623-2	02-33-056-22W5	PL	05-34-056-23W5	WILD RIVER	90					4				80			
Moderate	1-5	16872-25	15-31-056-22W5	WE	04-05-057-22W5	WILD RIVER	90									40			
Moderate	1-5	24832-2	12-28-056-23W5	PL	04-03-057-23W5	WILD RIVER	90					4				40			
Moderate	1-5	49333-12	13-30-056-23W5	PL	02-36-056-24W5	WILD RIVER	90					4				40			
Moderate	1-5	36726-6	02-36-056-24W5	WE	09-36-056-24W5	WILD RIVER	90					4				40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	1-5	29051-16	12-36-056-24W5	B	04-03-057-23W5	WILD RIVER	90					4				80			
Moderate	1-5	46592-22	12-35-056-24W5	PL	15-35-056-24W5	WILD RIVER	90									40			
Moderate	1-5	15562-1	04-18-056-26W5	WE	15-13-056-27W5	WILD RIVER	90									40			
Moderate	1-5	38157-9	12-07-055-02W6	BE	15-01-055-03W6	CABIN CREEK										40			
Moderate	1-5	44442-2	11-27-055-04W6	WE	15-19-056-04W6	CABIN CREEK	90					7				80			
Moderate	1-5	9427-4	01-23-055-04W6	WE	14-23-055-04W6	CABIN CREEK	90					4				40			
Moderate	1-5	20500-42	03-30-055-21W5	PL	03-19-055-21W5	WILD RIVER	90					4				40			
Moderate	1-5	26496-4	12-10-055-23W5	PL	14-32-054-22W4	SUNDANCE	90					7				80			
Moderate	1-5	33383-36	07-13-055-25W5	WE	14-13-055-25W5	MITSUJE	90					4				40			
Moderate	1-5	24894-33	14-13-055-25W5	PL	13-24-055-25W5	WILD RIVER	90					9				40			
Moderate	1-5	14698-36	15-24-055-26W5	PL	11-30-055-25W5	WILD RIVER	90					4				40			
Moderate	1-5	13956-1	03-11-055-26W5	BE	12-05-054-26W5	WILD RIVER										160			
Moderate	1-5	19517-2	08-04-054-11W4	PL	07-03-054-11W4	PLAIN	90					4				40			
Moderate	1-5	17957-3	11-01-054-17W5	WE	10-02-054-17W5	EDSON	90									40			
Moderate	1-5	25022-14	04-12-054-17W5	PL	07-11-054-17W5	EDSON	90									40			
Moderate	1-5	43659-1	11-07-054-20W5	BE	04-26-054-22W5	ANSELL										160			
Moderate	1-5	46115-5	02-25-054-21W5	WE	01-24-054-21W5	SUNDANCE	90					4				40			
Moderate	1-5	7581-140	04-26-054-22W5	WE	10-36-053-21W5	SUNDANCE	90					4				80			
Moderate	1-5	26904-2	14-27-054-22W5	PL	10-36-053-21W5	SUNDANCE	90						20			160			
Moderate	1-5	40764-28	11-13-054-23W5	CS	14-32-054-22W5	SUNDANCE	90					4				80			
Moderate	1-5	14225-22	15-32-054-24W5	WE	13-29-054-24W5	PEDLEY	90									40			
Moderate	1-5	38007-1	07-22-053-19W5	PL	06-15-053-19W5	EDSON	90					4				40			
Moderate	1-5	30222-30	10-10-053-20W5	PL	04-14-053-20W5	ANSELL	90									40			
Moderate	1-5	10745-51	04-08-053-20W5	WE	01-16-053-20W5	ANSELL	90					4				40			
Moderate	1-5	29214-135	13-16-053-20W5	PL	14-14-053-20W5	ANSELL	90					4				40			
Moderate	1-5	10074-144	11-21-053-22W5	PL	04-21-053-22W5	SUNDANCE	90					4				40			
Moderate	1-5	9982-3	12-19-053-23W5	WE	04-30-053-23W5	SUNDANCE	90					5				40			
Moderate	1-5	30031-26	15-35-053-24W5	PL	16-34-053-24W5	PEDLEY	90					6				40			
Moderate	1-5	9977-1	02-05-053-24W5	WE	12-33-052-24W5	PEDLEY	90									40			
Moderate	1-5	27539-10	01-10-052-17W5	WE	13-36-051-18W5	EDSON	90					12				80			
Moderate	1-5	3001-29	03-15-052-19W5	WE	06-10-052-19W5	ANSELL	90					5				40			
Moderate	1-5	22317-42	06-18-052-19W5	PL	01-24-052-20W5	ANSELL	90					9				40			
Moderate	1-5	11468-51	09-16-052-19W5	PL	03-15-052-19W5	ANSELL	90					4				40			
Moderate	1-5	6217-42	09-13-052-20W5	PL	01-24-052-20W5	ANSELL	90					4				40			
Moderate	1-5	24176-39	10-35-052-20W5	PL	10-02-053-20W5	EDSON	90									40			
Moderate	1-5	3719-94	04-03-052-20W5	WE	07-04-052-20W5	ANSELL	90									40			
Moderate	1-5	32572-105	01-24-052-20W5	GP	10-02-053-20W5	EDSON	90						20			320			
Moderate	1-5	11249-7	12-05-052-22W5	WE	07-08-052-23W5	LAMBERT	90					4				80			
Moderate	1-5	24196-4	12-05-052-22W5	BE	05-25-051-22W5	LAMBERT										80			
Moderate	1-5	10273-34	12-33-052-24W5	PL	08-35-052-25W5	WILD RIVER	90					4				80			
Moderate	1-5	22523-14	08-35-052-25W5	WE	10-30-053-24W5	HINTON	90					11				80			
Moderate	1-5	11266-11	13-36-051-18W5	WE	07-27-051-19W5	EDSON	90					8				80			
Moderate	1-5	13328-43	07-27-051-19W5	GP	11-08-052-19W5	ANSELL	90					10				80			
Moderate	1-5	13328-44	07-27-051-19W5	GP	11-08-052-19W5	ANSELL	90					4				80			
Moderate	1-5	15498-110	14-33-051-20W5	WE	07-04-052-20W5	ANSELL	90									40			
Moderate	1-5	30893-114	15-29-051-23W5	WE	04-07-052-23W5	LAMBERT	90									80			
Moderate	1-5	20511-1	04-10-050-18W5	WE	10-04-050-18W5	ANSELL	90					4				40			
Moderate	1-5	8973-2	13-10-050-18W5	WE	04-10-050-18W5	ANSELL	90					4				40			
Moderate	1-5	14123-6	13-09-048-17W5	WE	05-16-048-17W5	MINEHEAD	90									40			
Moderate	1-5	34404-1	09-21-047-17W5	BE	06-21-047-17W5	HANLAN										40			
Moderate	1-5	29682-2	15-06-046-19W5	CS	09-16-046-19W5	LOVETT RIVER	90					8				40			
Moderate	1-5	37632-4	10-01-046-20W5	PL	15-06-046-19W5	LOVETT RIVER	90					5				40			
Moderate	1-5	14843-2	11-28-045-01W5	PL	06-29-045-01W5	WESTEROSE	90					5				40			
Moderate	1-5	5020-50	06-29-045-01W5	PL	07-02-045-02W5	BONNIE GLEN	90					6				80			
Moderate	1-5	3221-5	14-34-045-01W5	BE	11-28-045-01W5	WESTEROSE										40			
Moderate	1-5	12906-1	11-20-045-01W5	WE	06-29-045-01W5	WESTEROSE	90					4				40			
Moderate	1-5	13682-10	07-04-045-02W5	WE	06-03-045-02W5	PEMBINA	90					4				40			
Moderate	1-5	23321-3	02-27-045-19W5	PL	01-05-046-19W5	VOYAGER	90					5				80			
Moderate	1-5	27070-1	08-34-045-20W5	PL	13-34-045-20W5	LOVETT RIVER	90									40			
Moderate	1-5	4622-51	14-05-044-01W5	PL	02-05-044-01W5	PEMBINA	90					4				40			
Moderate	1-5	14385-4	04-35-044-02W5	B	06-34-044-02W5	PEMBINA	90					4				40			
Moderate	1-5	15550-7	01-23-044-03W5	WE	11-13-044-03W5	PEMBINA	90					4				40			
Moderate	1-5	26481-1	01-10-042-09W5	WE	05-10-042-09W5	FERRIER	90					4				40			
Moderate	1-5	10969-12	14-30-042-22W4	BE	14-19-042-22W4	BASHAW										40			
Moderate	1-5	18057-28	01-05-041-10W5	WE	11-04-041-10W5	FERRIER	90					4				40			
Moderate	1-5	8455-7	14-07-041-22W4	PL	14-19-040-22W4	NEVIS	90					5				80			
Moderate	1-5	16364-3	10-21-040-10W5	WE	07-22-040-10W5	FERRIER	90					9				40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Moderate	1-5	24265-4	07-22-040-10W5	WE	05-18-040-09W5	FERRIER	90					4						80
Moderate	1-5	46134-7	07-36-040-13W5	WE	10-28-040-12W5	CHAMBERS	90					4						80
Moderate	1-5	7891-5	12-07-039-07W5	WE	12-06-039-07W5	FERRIER	90					4						40
Moderate	1-5	39916-29	14-30-039-07W5	PL	13-21-039-07W5	FERRIER	90					4						40
Moderate	1-5	26423-32	08-29-039-07W5	WE	10-29-039-07W5	FERRIER	90					4						40
Moderate	1-5	46865-2	05-09-039-07W5	BE	10-09-039-07W5	FERRIER												40
Moderate	1-5	10163-3	08-09-039-07W5	WE	13-16-039-07W5	FERRIER	90					4						40
Moderate	1-5	53077-4	07-09-039-07W5	PL	08-09-039-07W5	FERRIER	90					4						40
Moderate	1-5	20892-5	04-21-039-07W5	PL	03-21-039-07W5	FERRIER	90					5						40
Moderate	1-5	51947-6	14-05-039-07W5	PL	14-04-039-07W5	FERRIER	90					4						40
Moderate	1-5	38960-7	02-09-039-07W5	PL	07-09-039-07W5	FERRIER	90					4						40
Moderate	1-5	45817-1	02-17-039-07W5	WE	13-09-039-07W5	FERRIER	90					4						40
Moderate	1-5	2752-40	03-02-039-08W5	S	11-35-038-08W5	FERRIER	90					4						80
Moderate	1-5	25294-37	03-02-039-08W5	PL	11-35-038-08W5	FERRIER	90					4						80
Moderate	1-5	23142-93	13-36-038-07W5	PL	05-01-039-07W5	FERRIER	90					4						80
Moderate	1-5	14771-12	01-09-038-18W4	BE	01-16-038-18W4	LEAHURST												40
Moderate	1-5	6718-76	15-36-038-21W4	WE	15-06-039-20W4	ERSKINE	90					4						40
Moderate	1-5	8050-5	04-36-038-23W4	WE	14-25-038-23W4	NEVIS	90					4						40
Moderate	1-5	11639-41	11-30-037-23W4	PL	02-36-037-24W4	MIKWAN	90					4						40
Moderate	1-5	26638-129	08-17-034-12W4	PL	06-14-034-13W4	GARDEN PLAINS	90					6						80
Moderate	1-5	10832-10	14-13-034-17W4	WE	08-32-034-17W4	LEO	90					4						80
Moderate	1-5	20119-7	16-10-033-21W4	WE	02-10-033-21W4	TROCHU	90					4						40
Moderate	1-5	17659-32	10-06-031-18W4	WE	04-08-031-18W4	MICHICHI	90					4						40
Moderate	1-5	10605-2	08-20-030-09W4	WE	05-22-030-09W4	SOUNDING	90					4						40
Moderate	1-5	21256-14	10-14-030-10W4	PL	06-13-030-10W4	SOUNDING	90					4						40
Moderate	1-5	11852-3	01-11-030-12W4	CS	07-09-030-11W4	RICHDALE	90					4						80
Moderate	1-5	40027-64	14-33-030-24W4	PL	12-10-031-24W4	TWINING	90					4						40
Moderate	1-5	16554-4	08-03-029-09W4	WE	13-25-028-09W4	DOBSON	90					5						40
Moderate	1-5	19541-2	11-11-029-10W4	PL	05-28-029-10W4	STANMORE	90						20					80
Moderate	1-5	12876-3	06-15-028-08W4	WE	13-25-028-09W4	HEATHDALE	90					8						80
Moderate	1-5	13614-57	14-34-028-15W4	PL	10-33-028-15W4	COYOTE	90					5						40
Moderate	1-5	32801-1	15-29-028-15W4	PL	10-33-028-15W4	CESSFORD	90					4						40
Moderate	1-5	21462-14	03-09-027-16W4	PL	06-04-027-16W4	CESSFORD	90					5						40
Moderate	1-5	4358-5	06-35-027-18W4	WE	13-36-027-18W4	WAYNE-ROSEDALE	90					4						40
Moderate	1-5	30276-15	08-32-026-16W4	PL	06-04-027-16W4	CESSFORD	90					4						40
Moderate	1-5	10306-72	10-18-026-18W4	PL	14-12-026-19W4	WAYNE-ROSEDALE	90					4						40
Moderate	1-5	6920-57	04-16-025-10W4	PL	16-16-025-10W4	POLLOCKVILLE	90					4						40
Moderate	1-5	9128-25	10-29-025-15W4	PL	09-32-025-15W4	CONNORSVILLE	90					4						40
Moderate	1-5	20014-189	16-35-025-15W4	WE	06-35-025-15W4	CONNORSVILLE	90					4						40
Moderate	1-5	12736-135	04-10-025-16W4	WE	10-10-025-16W4	CONNORSVILLE	90					4						40
Moderate	1-5	3899-3	01-18-025-17W4	GP	16-24-026-18W4	WINTERING HILLS	90						20					160
Moderate	1-5	15639-1	03-06-023-09W4	PL	03-06-023-10W4	JENNER	90					11						80
Moderate	1-5	40051-7	04-07-023-11W4	WE	07-06-023-11W4	CESSFORD	90					4						40
Moderate	1-5	23974-2	16-06-022-02W4	WE	13-09-022-02W4	BINDLOSS	90											160
Moderate	1-5	52067-6	09-19-022-11W4	WE	02-31-022-11W4	CESSFORD	90					4						40
Moderate	1-5	7015-232	05-24-022-13W4	PL	08-26-022-13W4	VERGER	90					4						40
Moderate	1-5	11652-234	05-24-022-13W4	PL	08-26-022-13W4	VERGER	90					4						40
Moderate	1-5	9220-8	02-11-020-23W4	GP	06-04-019-22W4	QUEENSTOWN	90					4						80
Moderate	1-5	9130-673	10-21-019-10W4	PL	08-21-019-10W4	HUSSAR	90					4						40
Moderate	1-5	37062-3	02-34-019-10W4	WE	04-34-019-10W4	PRINCESS	90					4						40
Moderate	1-5	15288-9	12-23-019-10W4	WE	14-23-019-10W4	PRINCESS	90					4						40
Moderate	1-5	18531-13	10-21-019-10W4	WE	12-22-019-10W4	PRINCESS	90					4						40
Moderate	1-5	11391-3	02-12-019-14W4	B	04-32-018-13W4	BANTRY	90					4						80
Moderate	1-5	18726-23	08-31-019-19W4	WE	16-25-018-20W4	MAJORVILLE	90					4						80
Moderate	1-5	25583-105	07-17-019-20W4	WE	06-18-019-20W4	QUEENSTOWN	90											160
Moderate	1-5	16202-103	16-20-018-14W4	PL	08-18-018-14W4	NEWELL	90					4						40
Moderate	1-5	26088-2	10-14-018-20W4	WE	16-25-018-20W4	MAJORVILLE	90					5						40
Moderate	1-5	22685-19	01-06-016-16W4	BE	01-31-015-16W4	ENCHANT	90											40
Moderate	1-5	22658-6	12-32-016-20W4	BE	05-05-017-20W4	LONG COULEE	90											40
Moderate	1-5	4831-788	11-29-015-11W4	PL	07-31-015-11W4	ALDERSON	90					4						40
Moderate	1-5	36726-6	06-10-015-20W4	PL	11-23-014-20W4	LITTLE BOW	90					4						80
Moderate	1-5	30032-6	04-25-015-25W4	PL	06-27-013-26W4	VULCAN	90					4						80
Moderate	1-5	18729-7	08-22-014-16W4	PL	05-30-014-15W4	ENCHANT	90						20					80
Moderate	1-5	5567-3	05-34-014-22W4	BE	08-10-015-22W4	LONG COULEE	90											80
Moderate	1-5	18230-18	03-35-014-27W4	PL	07-01-015-27W4	PARKLAND NORTHEAST	90											40
Moderate	1-5	7191-49	07-14-013-01W4	PL	05-14-013-01W4	MEDICINE HAT	90					4						40
Moderate	1-5	24489-2	08-21-013-16W4	B	09-21-013-15W4	ENCHANT	90					11						80

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	1-5	3618-3	13-28-013-26W4	PL	06-27-013-26W4	CLARESHOLM	90					6				40			
Moderate	1-5	4018-2	16-34-012-14W4	B	12-18-013-14W4	HAYS	90					4				80			
Moderate	1-5	9409-18	15-36-012-27W4	GP	05-13-012-27W4	EASTMONT	90						20			320			
Moderate	1-5	8666-51	07-14-012-27W4	PL	05-13-012-27W4	EASTMONT	90					4				40			
Moderate	1-5	4704-52	05-13-012-27W4	CS	07-14-012-27W4	EASTMONT	90					4				40			
Moderate	1-5	26358-26	14-29-012-27W4	PL	04-33-012-27W4	EASTMONT	90					4				40			
Moderate	1-5	10086-290	16-13-011-09W4	PL	16-33-011-08W4	BOW ISLAND	90					4				80			
Moderate	1-5	10731-4	12-14-011-17W4	B	14-36-011-17W4	SEDALIA	90					4				80			
Moderate	1-5	30602-5	14-36-011-17W4	PL	07-07-012-15W4	ENCHANT	90					4				160			
Moderate	1-5	9253-81	09-14-011-27W4	WE	02-14-011-27W4	EASTMONT	90					4				40			
Moderate	1-5	16518-20	16-09-006-09W4	PL	08-24-006-10W4	PENDANT D'OREILLE	90						20			80			
Moderate	1-5	7976-129	13-34-005-12W4	CS	16-34-005-12W4	SMITH COULEE	90					4				40			
Moderate	1-5	13342-5	06-32-005-12W4	PL	10-33-005-12W4	SMITH COULEE	90									40			
Moderate	1-5	17011-37	10-15-005-12W4	PL	08-21-005-12W4	SMITH COULEE	90									40			
Moderate	1-5	17345-1	06-24-005-13W4	WE	16-24-005-13W4	SMITH COULEE	90					4				40			
Moderate	1-5	10635-20	08-23-004-10W4	BE	16-22-004-10W4	SMITH COULEE	90									40			
Moderate	1-5	16950-128	16-22-004-10W4	WE	01-17-004-10W4	PENDANT D'OREILLE	90					4				40			
		0-																	
Moderate	1-4	11532-1	06-33-118-12W6	BE	05-34-118-12W6	SHEKILIE WEST										80			
Moderate	1-4	35040-10	08-24-100-11W6	BE	08-24-100-11W6	PEDIGREE										20			
Moderate	1-4	4778-75	02-04-100-12W6	PL	06-12-100-12W6	PEDIGREE	90						20			80			
Moderate	1-4	48884-25	14-29-075-01W5	PL	06-19-075-01W5	MARTEN HILLS	90					5				40			
Moderate	1-4	5555-26	09-17-075-01W5	PL	02-19-075-01W5	MARTEN HILLS	90					8				40			
Moderate	1-4	25358-14	14-35-075-06W6	BE	10-11-076-06W6	RYCROFT										40			
Moderate	1-4	9723-15	15-34-075-07W6	WE	11-33-075-07W6	SADDLE HILLS	90					4				40			
Moderate	1-4	32723-13	11-33-075-07W6	PL	11-33-075-07W6	SADDLE HILLS	90					4				20			
Moderate	1-4	22205-17	09-28-075-07W6	PL	08-22-075-07W6	SADDLE HILLS	90									80			
Moderate	1-4	15193-22	11-12-075-07W6	PL	06-12-075-07W6	LA GLACE	90					4				40			
Moderate	1-4	37398-25	06-12-075-07W6	PL	07-31-074-06W6	LA GLACE	90					4				40			
Moderate	1-4	26490-26	05-12-075-07W6	PL	05-12-075-07W6	LA GLACE	90					6				20			
Moderate	1-4	8366-2	10-04-075-08W4	WE	07-04-075-08W4	WAYNE-ROSEDALE	90					4				20			
Moderate	1-4	41237-4	07-06-075-08W4	WE	07-06-075-08W4	WAYNE-ROSEDALE	90					20				20			
Moderate	1-4	13148-8	13-03-075-08W4	WE	09-04-075-08W4	WAYNE-ROSEDALE	90					5				20			
Moderate	1-4	38249-5	12-05-075-08W4	PL	09-04-075-08W4	CAVALIER										40			
Moderate	1-4	31077-7	02-06-075-08W4	B	09-06-075-08W4	CAVALIER										40			
Moderate	1-4	30442-11	13-13-075-08W6	BE	13-13-075-08W6	LA GLACE										20			
Moderate	1-4	34946-4	13-13-075-08W6	PL	13-13-075-08W6	LA GLACE	90					4				20			
Moderate	1-4	20556-5	01-13-075-08W6	WE	09-13-075-08W6	LA GLACE	90					4				40			
Moderate	1-4	10689-7	12-13-075-08W6	PL	13-13-075-08W6	LA GLACE	90					4				20			
Moderate	1-4	37001-8	15-13-075-08W6	WE	13-13-075-08W6	DINA	90					4				40			
Moderate	1-4	21194-13	02-13-075-10W6	PL	13-14-074-10W6	VALHALLA	90					4				80			
Moderate	1-4	27904-5	13-31-075-11W6	WE	03-05-076-11W6	VALHALLA	90									80			
Moderate	1-4	10288-11	02-08-075-11W6	BE	13-04-075-11W6	VALHALLA										40			
Moderate	1-4	55263-1	07-30-074-08W4	MS	01-06-075-08W4	PLACID										80			
Moderate	1-4	20610-17	10-10-074-08W6	WE	06-02-074-08W6	LA GLACE	90					4				40			
Moderate	1-4	50433-6	04-08-074-08W6	PL	09-31-073-08W6	WEMBLEY	90					4				80			
Moderate	1-4	9262-1	01-35-074-08W6	PL	02-35-074-08W6	VALHALLA	90					4				40			
Moderate	1-4	32193-1	12-16-074-09W6	BE	14-21-074-09W6	VALHALLA										40			
Moderate	1-4	30379-3	14-21-074-09W6	WE	08-27-074-09W6	VALHALLA	90					4				40			
Moderate	1-4	50631-13	04-11-074-10W6	PL	10-09-074-10W6	WEMBLEY	90					4				40			
Moderate	1-4	54175-2	10-14-074-10W6	PL	15-14-074-10W6	WEMBLEY	90					4				20			
Moderate	1-4	53586-4	12-23-074-10W6	WE	04-27-074-10W6	WEMBLEY	90					4				40			
Moderate	1-4	39832-7	04-01-074-10W6	PL	05-01-074-10W6	WEMBLEY	90					4				20			
Moderate	1-4	11797-25	14-21-074-11W6	PL	02-27-074-11W6	WEMBLEY	90					5				40			
Moderate	1-4	16857-3	11-34-074-11W6	PL	02-27-074-11W6	WEMBLEY	90					5				40			
Moderate	1-4	54640-5	11-34-074-11W6	PL	16-35-074-11W6	WEMBLEY	90					4				40			
Moderate	1-4	19964-13	10-18-074-12W6	GP	13-06-075-12W6	SINCLAIR										320			
Moderate	1-4	8828-1	02-19-074-12W6	PL	01-19-074-12W6	SINCLAIR	90									20			
Moderate	1-4	44141-5	01-19-074-12W6	PL	09-21-074-12W6	SINCLAIR	90					6				40			
Moderate	1-4	20094-1	01-03-073-05W5	PL	12-30-072-04W5	MITISUE										80			
Moderate	1-4	10488-15	16-33-073-05W6	PL	01-04-074-05W6	CLAIR	90					4				20			
Moderate	1-4	21370-2	12-13-073-05W6	BE	06-13-073-05W6	CLAIR										20			
Moderate	1-4	5651-1	09-10-073-06W6	B	07-14-073-06W6	GRANDE PRAIRIE	90					4				40			
Moderate	1-4	28569-2	12-21-073-07W4	PL	07-29-073-07W4	KIRBY										40			
Moderate	1-4	11861-6	07-29-073-07W4	WE	07-29-073-07W4	KIRBY	90									40			
Moderate	1-4	25939-2	09-33-073-08W6	PL	10-33-073-08W6	WEMBLEY	90					4				20			
Moderate	1-4	20300-5	10-33-073-08W6	PL	02-33-073-08W6	WEMBLEY	90					4				40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	1-4	13945-3	11-01-073-08W6	PL	14-01-073-08W6	WEMBLEY	90									20			
Moderate	1-4	11006-11	14-14-073-09W6	PL	06-15-073-09W6	WEMBLEY	90									80			
Moderate	1-4	13902-18	05-31-073-09W6	S	10-30-073-09W6	WEMBLEY	90					8				160			
Moderate	1-4	43786-7	11-33-073-09W6	WE	06-32-073-09W6	WEMBLEY	90					26				160			
Moderate	1-4	57321-1	14-33-073-09W6	WE	11-33-073-09W6	WEMBLEY	90					10				80			
Moderate	1-4	52494-2	09-30-073-09W6	WE	08-31-073-09W6	WEMBLEY	90					10				80			
Moderate	1-4	27910-5	08-34-073-10W6	WE	09-34-073-10W6	WEMBLEY	90					4				20			
Moderate	1-4	13955-6	08-34-073-10W6	WE	08-34-073-10W6	WEMBLEY	90					4				20			
Moderate	1-4	16992-17	11-06-073-10W6	WE	04-07-073-10W6	WEMBLEY	90					4				40			
Moderate	1-4	26603-12	15-21-073-10W6	PL	03-33-073-10W6	WEMBLEY	90					8				40			
Moderate	1-4	42464-2	06-35-073-10W6	BE	04-11-074-10W6	WEMBLEY										40			
Moderate	1-4	15126-1	16-36-073-10W6	BE	11-01-074-10W6	WEMBLEY										40			
Moderate	1-4	46357-1	01-22-073-11W6	WE	16-22-073-11W6	WEMBLEY	90					4				40			
Moderate	1-4	21452-23	14-01-072-02W5	WE	01-02-072-02W5	SPUR	90					4				40			
Moderate	1-4	32478-5	08-01-072-05W6	PL	09-03-072-05W6	GRANDE PRAIRIE	90					4				160			
Moderate	1-4	36289-7	14-34-072-08W6	WE	14-03-073-08W6	WEMBLEY	90					4				80			
Moderate	1-4	41757-8	08-23-072-08W6	WE	14-27-072-08W6	WEMBLEY	90					4				160			
Moderate	1-4	48594-1	04-15-072-08W6	S	11-14-072-08W6	WEMBLEY	90					22				160			
Moderate	1-4	35867-4	08-26-072-08W6	WE	11-36-072-08W6	WEMBLEY	90					15				160			
Moderate	1-4	46280-8	16-17-072-08W6	PL	16-16-072-08W6	WEMBLEY	90					15				80			
Moderate	1-4	10134-18	08-32-072-10W6	WE	06-07-073-10W6	WEMBLEY	90					4				40			
Moderate	1-4	19235-24	16-12-072-11W6	WE	07-19-072-10W6	SINCLAIR	90									80			
Moderate	1-4	11328-18	01-25-072-11W6	WE	06-30-072-10W6	WEMBLEY	90									40			
Moderate	1-4	25135-23	14-13-072-11W6	WE	03-24-072-11W6	SINCLAIR	90									20			
Moderate	1-4	3996-60	10-20-072-14W4	PL	09-30-072-14W4	NIXON	90					4				40			
Moderate	1-4	23240-1	03-03-072-26W5	GP	01-30-071-26W5	KLESKUN										640			
Moderate	1-4	11299-49	05-13-071-01W5	WE	06-13-071-01W5	DECRENE	90									20			
Moderate	1-4	11290-8	05-21-071-01W5	WE	06-17-071-01W5	DECRENE	90					4				40			
Moderate	1-4	49114-15	02-28-071-01W5	PL	16-21-071-01W5	DECRENE	90					5				40			
Moderate	1-4	39517-29	11-33-071-02W5	PL	01-02-072-02W5	DECRENE	90					4				80			
Moderate	1-4	46280-5	15-28-071-08W6	WE	13-33-071-08W6	WEMBLEY	90					21				160			
Moderate	1-4	3760-83	07-10-071-10W4	PL	11-07-071-10W4	IPIATIK	90					4				80			
Moderate	1-4	7895-102	06-19-071-10W4	WE	16-07-071-10W4	IPIATIK	90					4				40			
Moderate	1-4	26470-94	16-07-071-10W4	PL	11-07-071-10W4	TWEEDIE	90					4				40			
Moderate	1-4	23090-1	13-31-071-10W6	WE	14-01-072-11W6	SINCLAIR	90									80			
Moderate	1-4	22319-1	07-04-071-18W4	WE	06-14-071-18W4	CALLING LAKE	90					4				40			
Moderate	1-4	6139-7	16-31-071-23W5	S	10-29-071-23W5	STURGEON LAKE	90									160			
Moderate	1-4	6807-16	05-32-071-23W5	S	10-29-071-23W5	STURGEON LAKE	90					4				80			
Moderate	1-4	16178-37	06-08-071-26W4	WE	05-08-071-26W4	SMITH	90					4				20			
Moderate	1-4	13096-40	06-05-071-26W4	PL	15-25-070-27W4	SMITH	90					4				40			
Moderate	1-4	31432-1	13-09-070-07W6	WE	10-04-070-07W6	ELMWORTH	90					4				40			
Moderate	1-4	43350-1	12-17-070-07W6	BE	06-20-070-07W6	ELMWORTH										40			
Moderate	1-4	35104-4	05-06-070-07W6	WE	11-06-070-07W6	ELMWORTH	90					4				20			
Moderate	1-4	50316-6	15-06-070-07W6	PL	16-06-070-07W6	ELMWORTH	90					4				40			
Moderate	1-4	44021-1	03-04-070-07W6	WE	10-04-070-07W6	ELMWORTH	90					9				40			
Moderate	1-4	31889-2	03-13-070-08W6	BE	06-13-070-08W6	ELMWORTH										40			
Moderate	1-4	48831-3	06-13-070-08W6	BE	16-24-070-08W6	ELMWORTH										40			
Moderate	1-4	29838-3	06-01-070-08W6	PL	07-01-070-08W6	ELMWORTH	90					4				20			
Moderate	1-4	27498-11	07-01-070-08W6	PL	05-06-070-07W6	ELMWORTH	90					5				40			
Moderate	1-4	9946-32	01-06-070-08W6	WE	01-04-070-08W6	ELMWORTH	90					4				80			
Moderate	1-4	6804-82	09-11-070-11W4	CS	08-11-070-11W4	MILLS	90					4				40			
Moderate	1-4	37073-1	06-03-069-06W6	WE	06-03-069-06W6	ELMWORTH	90									20			
Moderate	1-4	12068-11	06-30-069-07W6	WE	13-23-069-08W6	ELMWORTH	90					4				40			
Moderate	1-4	41170-1	08-05-069-07W6	WE	16-34-068-07W6	ELMWORTH	90					4				40			
Moderate	1-4	7020-19	04-15-069-07W6	PL	02-10-069-07W6	ELMWORTH	90									80			
Moderate	1-4	17552-21	15-03-069-07W6	PL	06-27-068-07W6	ELMWORTH	90					6				40			
Moderate	1-4	19892-28	04-15-069-07W6	PL	02-10-069-07W6	ELMWORTH	90					4				40			
Moderate	1-4	23987-30	15-03-069-07W6	PL	06-27-068-07W6	ELMWORTH	90					4				40			
Moderate	1-4	18202-3	13-23-069-08W6	PL	05-14-069-08W6	ELMWORTH	90					4				40			
Moderate	1-4	15432-17	05-14-069-08W6	PL	06-10-069-08W6	ELMWORTH	90					10				40			
Moderate	1-4	41633-2	02-17-069-09W6	WE	15-08-069-09W6	ELMWORTH	90									20			
Moderate	1-4	6208-30	07-05-069-09W6	WE	08-08-069-09W6	WAPITI	90					4				40			
Moderate	1-4	1137-50	07-06-069-21W5	PL	15-31-068-21W5	STURGEON LAKE SOUTH	90									80			
Moderate	1-4	42031-5	10-06-069-21W5	WE	12-06-069-21W5	STURGEON LAKE SOUTH	90									80			
Moderate	1-4	15559-12	04-06-069-21W5	PL	08-01-069-22W5	STURGEON LAKE SOUTH	90					4				80			
Moderate	1-4	12943-3	12-14-069-22W5	BE	15-16-069-22W5	STURGEON LAKE SOUTH										40			
Moderate	1-4	7240-1	02-11-069-22W5	BE	10-02-069-22W5	STURGEON LAKE SOUTH										80			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Moderate	1-4	13950-2	03-03-069-22W5	B	10-02-069-22W5	STURGEON LAKE SOUTH	90					17				160		
Moderate	1-4	48826-5	06-01-069-22W5	PL	02-02-069-22W5	STURGEON LAKE SOUTH	90					14				160		
Moderate	1-4	37270-1	10-34-069-23W5	BE	07-26-069-23W5	STURGEON LAKE SOUTH										160		
Moderate	1-4	5588-17	11-01-069-24W5	PL	12-09-069-22W5	STURGEON LAKE SOUTH										80		
Moderate	1-4	20287-36	04-17-069-26W4	PL	03-17-069-26W4	BIG BEND	90					4				40		
Moderate	1-4	5742-11	04-09-068-02W6	PL	08-24-068-01W6	ELMWORTH										80		
Moderate	1-4	26287-89	06-17-068-04W4	PL	06-20-068-04W4	FISHER										40		
Moderate	1-4	9036-92	11-20-068-04W4	PL	08-30-068-04W4	FISHER										40		
Moderate	1-4	16703-100	03-02-068-04W4	PL	01-15-068-04W4	MOORE										40		
Moderate	1-4	12596-101	01-15-068-04W4	PL	03-08-068-04W4	MOORE										40		
Moderate	1-4	21632-122	02-15-068-04W4	PL	02-22-068-04W4	FISHER										40		
Moderate	1-4	15334-124	02-22-068-04W4	PL	01-21-068-04W4	FISHER										40		
Moderate	1-4	26561-126	03-22-068-04W4	PL	03-27-068-04W4	FISHER										40		
Moderate	1-4	13691-129	02-15-068-04W4	PL	02-22-068-04W4	FISHER										40		
Moderate	1-4	16977-147	08-30-068-04W4	PL	12-32-068-04W4	FISHER										40		
Moderate	1-4	17525-151	11-32-068-04W4	PL	06-34-068-04W4	FISHER										40		
Moderate	1-4	31022-31	11-20-068-04W4	WE	03-34-068-04W4	PROVOST	90					4				40		
Moderate	1-4	51902-50	10-32-068-04W4	WE	11-33-068-04W4	PROVOST	90					6				40		
Moderate	1-4	4758-16	07-05-068-04W6	BE	15-31-067-04W6	ELMWORTH										40		
Moderate	1-4	18905-3	10-05-068-04W6	CS	06-05-068-04W6	ELMWORTH	90									80		
Moderate	1-4	30100-41	15-20-068-06W6	WE	06-21-068-06W6	ELMWORTH	90					4				40		
Moderate	1-4	6461-78	13-26-068-06W6	WE	04-30-068-05W6	ELMWORTH	90					4				40		
Moderate	1-4	37410-2	03-33-068-06W6	WE	07-28-068-06W6	ELMWORTH	90					4				40		
Moderate	1-4	16480-8	15-27-068-06W6	WE	06-03-069-06W6	ELMWORTH	90					4				40		
Moderate	1-4	38280-17	01-10-068-06W6	WE	05-11-068-06W6	ELMWORTH	90					4				80		
Moderate	1-4	5675-51	07-24-068-07W6	CS	07-24-068-07W6	WAPITI	90					4				20		
Moderate	1-4	22955-4	10-22-068-07W6	PL	07-25-068-07W6	WAPITI	90					4				80		
Moderate	1-4	31297-1	06-10-068-07W6	PL	16-11-068-07W6	WAPITI	90					8				40		
Moderate	1-4	10531-22	06-27-068-07W6	PL	07-24-068-07W6	ELMWORTH	90					6				40		
Moderate	1-4	51486-31	06-27-068-07W6	PL	07-24-068-07W6	ELMWORTH	90					7				40		
Moderate	1-4	32937-1	10-01-068-08W6	WE	15-07-068-07W6	WAPITI	90									80		
Moderate	1-4	54185-58	06-08-068-08W6	WE	10-01-068-09W6	WAPITI	90					4				40		
Moderate	1-4	10159-139	10-31-068-08W6	WE	04-08-069-08W6	ELMWORTH	90					6				40		
Moderate	1-4	14498-1	10-36-068-09W6	WE	04-08-069-08W6	ELMWORTH	90					4				40		
Moderate	1-4	40074-41	11-20-068-09W6	WE	07-05-069-09W6	ELMWORTH	90					4				40		
Moderate	1-4	16368-43	14-09-068-09W6	WE	11-20-068-09W6	WAPITI	90					9				40		
Moderate	1-4	19229-2	06-04-068-11W6	BE	07-04-068-11W6	WAPITI	90									40		
Moderate	1-4	46847-129	16-14-068-11W6	WE	01-23-068-11W6	WAPITI	90					4				40		
Moderate	1-4	10808-17	15-27-068-22W5	PL	03-03-069-22W5	STURGEON LAKE SOUTH	90					4				160		
Moderate	1-4	5902-1	13-27-068-22W5	BE	03-03-069-22W5	STURGEON LAKE SOUTH										160		
Moderate	1-4	1799-17	08-31-068-26W4	BE	06-29-068-26W4	BIG BEND										40		
Moderate	1-4	1224-15	14-23-068-26W5	PL	11-01-069-24W5	ELMWORTH										80		
Moderate	1-4	27627-18	07-31-067-02W4	BE	11-12-068-03W4	MOORE										40		
Moderate	1-4	2879-4	14-10-067-02W5	BE	05-14-067-02W5	BIG BEND										40		
Moderate	1-4	27497-2	05-14-067-02W5	GP	08-10-067-02W5	BIG BEND	90									80		
Moderate	1-4	26021-4	16-10-067-02W6	BE	08-03-067-02W6	KARR										40		
Moderate	1-4	18072-109	12-14-067-03W4	PL	09-14-067-03W4	MOORE										40		
Moderate	1-4	15060-136	12-14-067-03W4	PL	05-23-067-03W4	MOORE										40		
Moderate	1-4	13965-138	13-23-067-03W4	PL	07-27-067-03W4	MOORE										40		
Moderate	1-4	10949-12	02-15-067-03W4	BE	02-15-067-03W4	MOORE										20		
Moderate	1-4	9456-14	13-23-067-03W4	BE	13-23-067-03W4	MOORE										20		
Moderate	1-4	18913-15	06-27-067-03W4	BE	07-27-067-03W4	MOORE										20		
Moderate	1-4	31356-17	03-14-067-03W4	PL	03-14-067-03W4	MEDICINE LODGE	90					4				20		
Moderate	1-4	22727-51	10-05-067-04W4	B	04-10-067-04W4	MOORE										40		
Moderate	1-4	17798-80	10-05-067-04W4	IP	09-09-067-04W4	MOORE										40		
Moderate	1-4	26013-83	03-26-067-04W4	PL	03-35-067-04W4	MOORE										40		
Moderate	1-4	7119-85	03-35-067-04W4	PL	03-02-068-04W4	MOORE										40		
Moderate	1-4	9584-103	09-21-067-04W4	PL	04-34-067-04W4	MOORE										40		
Moderate	1-4	17525-105	04-34-067-04W4	PL	14-34-067-04W4	MOORE										40		
Moderate	1-4	14786-106	08-28-067-04W4	PL	01-29-067-04W4	MOORE										40		
Moderate	1-4	18894-119	12-10-067-04W4	PL	11-02-067-04W4	MOORE										40		
Moderate	1-4	57271-51	03-30-067-04W4	PL	06-31-067-04W4	PROVOST	90					4				40		
Moderate	1-4	5675-49	11-33-067-04W6	WE	10-33-067-04W6	ELMWORTH	90					10				40		
Moderate	1-4	27055-6	10-34-067-04W6	PL	15-34-067-04W6	ELMWORTH	90									20		
Moderate	1-4	31404-1	11-28-067-04W6	WE	06-33-067-04W6	ELMWORTH	90									40		
Moderate	1-4	10931-8	08-33-067-04W6	WE	07-05-068-04W6	ELMWORTH	90					4				40		
Moderate	1-4	2454-26	09-20-067-05W6	CS	13-26-067-05W6	ELMWORTH	90					4				40		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	1-4	5777-21	09-24-067-05W6	BE	11-24-067-05W6	ELMWORTH										40			
Moderate	1-4	15840-8	02-10-067-05W6	PL	10-08-067-05W6	ELMWORTH	90					4				40			
Moderate	1-4	8962-8	09-20-067-05W6	PL	11-22-067-05W6	ELMWORTH	90					5				40			
Moderate	1-4	30112-12	05-18-067-05W6	PL	11-18-067-05W6	ELMWORTH	90									40			
Moderate	1-4	25093-4	13-03-067-06W6	PL	08-11-067-06W6	ELMWORTH	90					5				40			
Moderate	1-4	20074-5	08-11-067-06W6	PL	01-13-067-06W6	ELMWORTH	90									80			
Moderate	1-4	35418-39	05-31-067-07W6	PL	04-34-067-08W6	WAPITI	90					4				80			
Moderate	1-4	8986-6	04-34-067-08W6	CS	07-29-067-08W6	WAPITI	90					4				40			
Moderate	1-4	7443-3	12-18-067-09W5	S	02-23-067-10W5	WAYNE-ROSEDALE	90					5				160			
Moderate	1-4	15709-1	16-36-067-09W6	GP	08-07-069-08W6	WAPITI										80			
Moderate	1-4	17162-24	01-22-067-10W5	WE	10-16-067-10W5	SWAN HILLS	90									160			
Moderate	1-4	17194-1	02-06-067-10W5	BE	03-18-067-10W5	SWAN HILLS										40			
Moderate	1-4	10661-1	09-22-067-10W5	PL	05-23-067-10W5	SWAN HILLS	90					4				80			
Moderate	1-4	46075-37	10-14-067-10W5	PL	02-23-067-10W5	SWAN HILLS	90					4				80			
Moderate	1-4	32029-6	03-31-067-10W5	BE	03-30-067-10W5	SWAN HILLS										160			
Moderate	1-4	42144-13	11-19-067-10W5	PL	11-18-067-10W5	SWAN HILLS	90					10				80			
Moderate	1-4	30905-15	03-31-067-10W5	S	03-30-067-10W5	SWAN HILLS	90					4				160			
Moderate	1-4	12932-28	08-34-067-10W5	WE	04-27-067-10W5	SWAN HILLS	90					4				160			
Moderate	1-4	14057-16	13-16-067-10W5	S	14-18-067-10W5	SWAN HILLS	90					4				160			
Moderate	1-4	55320-80	01-06-067-10W5	BE	05-32-066-10W5	SWAN HILLS										40			
Moderate	1-4	42418-1	10-33-067-10W5	S	13-16-067-10W5	SWAN HILLS	90					4				160			
Moderate	1-4	10044-1	15-09-067-12W6	WE	11-16-067-12W6	WAPITI	90									80			
Moderate	1-4	22577-76	05-10-067-13W6	BE	12-10-067-13W6	WAPITI										40			
Moderate	1-4	8642-15	02-03-067-24W5	WE	04-03-067-24W5	ANTE CREEK NORTH	90					4				80			
Moderate	1-4	16294-3	07-34-066-02W5	PL	06-26-066-02W5	BIG BEND	90					4				80			
Moderate	1-4	11202-4	10-22-066-02W5	WE	06-26-066-02W5	BIG BEND	90									40			
Moderate	1-4	18840-6	06-26-066-02W5	PL	11-24-066-02W5	BIG BEND	90									40			
Moderate	1-4	20637-17	02-01-066-04W6	WE	02-01-066-04W6	KARR	90					4				20			
Moderate	1-4	14980-26	11-06-066-04W6	BE	06-06-066-04W6	KARR										20			
Moderate	1-4	5155-3	11-08-066-05W4	IP	01-09-066-05W4	LEMING										40			
Moderate	1-4	22260-30	05-16-066-05W4	PL	11-22-066-05W4	LEMING										40			
Moderate	1-4	55603-1	09-12-066-05W6	WE	08-12-066-05W6	KARR	90					4				80			
Moderate	1-4	2839-52	16-12-066-06W4	PL	09-07-066-05W4	LEMING	90					4				40			
Moderate	1-4	44273-4	02-27-066-06W6	WE	09-26-066-06W6	ELMWORTH	90					4				40			
Moderate	1-4	9838-5	13-25-066-06W6	WE	09-26-066-06W6	ELMWORTH	90									20			
Moderate	1-4	46759-1	09-34-066-06W6	WE	07-20-067-06W6	ELMWORTH	90					4				80			
Moderate	1-4	19844-2	13-21-066-07W5	BE	05-28-066-07W5	SARAH										40			
Moderate	1-4	6823-1	01-13-066-08W6	WE	11-18-066-07W6	WAPITI	90									40			
Moderate	1-4	28225-4	12-08-066-09W6	PL	15-09-066-09W6	KAKWA	90									80			
Moderate	1-4	52833-22	08-01-066-09W6	WE	14-36-065-09W6	KAKWA	90					4				40			
Moderate	1-4	4151-2	13-22-066-10W5	BE	04-34-066-10W5	SWAN HILLS										160			
Moderate	1-4	20085-30	10-25-066-11W5	S	08-30-066-10W5	SWAN HILLS	90					4				160			
Moderate	1-4	13173-1	10-14-066-13W6	WE	06-25-066-13W6	WAPITI	90					4				40			
Moderate	1-4	17307-1	03-03-066-13W6	WE	11-28-065-13W6	WAPITI	90					4				80			
Moderate	1-4	27692-4	10-17-066-13W6	WE	12-29-065-13W6	WAPITI	90					7				80			
Moderate	1-4	23077-6	13-18-066-13W6	WE	09-31-065-13W6	WAPITI	90					5				80			
Moderate	1-4	10733-24	09-23-066-22W4	BE	01-35-066-22W4	ATHABASCA EAST										40			
Moderate	1-4	14966-7	16-31-066-24W5	BE	03-24-066-24W5	ANTE CREEK NORTH										320			
Moderate	1-4	8010-14	16-31-066-24W5	B	03-24-066-24W5	ANTE CREEK NORTH	90					12				160			
Moderate	1-4	14966-18	03-24-066-24W5	PL	10-04-066-23W5	ANTE CREEK NORTH	90					12				160			
Moderate	1-4	11301-21	16-21-065-03W6	WE	01-28-065-03W6	KARR	90					4				40			
Moderate	1-4	27738-4	12-20-065-03W6	PL	16-21-065-03W6	KARR	90					4				40			
Moderate	1-4	31369-7	05-34-065-03W6	PL	07-34-065-03W6	KARR	90					6				80			
Moderate	1-4	19327-1	01-09-065-04W6	PL	10-15-065-04W6	KARR	90									80			
Moderate	1-4	21626-1	14-23-065-04W6	PL	16-25-065-04W6	KARR	90									80			
Moderate	1-4	10813-3	16-25-065-04W6	PL	12-20-065-03W6	KARR	90					5				40			
Moderate	1-4	30367-6	10-10-065-05W6	PL	07-07-065-04W6	KARR	90					4				80			
Moderate	1-4	7950-1	10-32-065-05W6	WE	08-05-066-05W6	KARR	90									80			
Moderate	1-4	7652-3	14-30-065-05W6	WE	16-06-066-05W6	KARR	90					5				80			
Moderate	1-4	18777-1	02-25-065-07W6	WE	07-27-065-07W6	WAPITI	90									40			
Moderate	1-4	19459-17	04-23-065-07W6	WE	13-22-065-07W6	WAPITI	90					4				40			
Moderate	1-4	54208-2	10-18-065-07W6	WE	08-30-065-07W6	WAPITI	90					4				40			
Moderate	1-4	33880-9	02-05-065-07W6	WE	16-07-065-07W6	WAPITI	90					4				80			
Moderate	1-4	12597-108	05-16-065-08W6	PL	07-21-065-08W6	WAPITI	90					8				40			
Moderate	1-4	49105-49	03-30-065-08W6	WE	10-36-065-09W6	WAPITI	90									40			
Moderate	1-4	54772-15	07-12-065-08W6	WE	10-18-065-07W6	WAPITI	90					4				40			
Moderate	1-4	38397-18	03-25-065-08W6	WE	08-30-065-07W6	WAPITI	90					4				80			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
								OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	1-4	44291-50	13-17-065-09W6	PL	03-29-065-09W6	KAKWA	90					4					40		
Moderate	1-4	3279-5	10-06-065-10W5	PL	10-19-066-10W5	SWAN HILLS SOUTH											160		
Moderate	1-4	14110-137	12-04-065-10W6	WE	09-05-065-10W6	KAKWA	90					5					40		
Moderate	1-4	16368-140	06-08-065-10W6	PL	16-17-065-10W6	ELMWORTH	90					7					40		
Moderate	1-4	16368-141	16-17-065-10W6	CS	06-28-065-10W6	KAKWA	90					4					40		
Moderate	1-4	14991-1	03-12-065-13W6	PL	03-22-065-13W6	CHINOOK RIDGE	90					9					80		
Moderate	1-4	31154-13	12-29-065-13W6	BE	09-29-065-13W6	CHINOOK RIDGE											40		
Moderate	1-4	9737-26	06-18-065-23W5	PL	14-07-064-23W5	ANTE CREEK NORTH	90					4					320		
Moderate	1-4	14411-15	03-15-065-23W5	PL	10-18-065-23W5	ANTE CREEK NORTH	90						20				80		
Moderate	1-4	37724-3	07-07-064-01W6	WE	10-06-064-01W6	KARR	90					4					40		
Moderate	1-4	27506-21	12-11-064-02W6	WE	09-04-064-02W6	KARR	90					4					160		
Moderate	1-4	30641-109	07-35-064-09W6	PL	05-33-064-09W6	WAPITI	90					6					80		
Moderate	1-4	24270-155	10-34-064-10W6	PL	07-04-065-10W6	KAKWA	90					4					40		
Moderate	1-4	16478-2	07-25-064-11W5	BE	10-06-065-10W5	SWAN HILLS SOUTH											80		
Moderate	1-4	46731-8	09-15-064-13W6	WE	13-09-064-13W6	NARRAWAY	90					5					40		
Moderate	1-4	32308-9	08-11-064-13W6	WE	07-11-064-13W6	NARRAWAY	90					5					40		
Moderate	1-4	42361-1	06-12-064-14W6	WE	16-36-063-14W6	CHINOOK RIDGE	90					5					40		
Moderate	1-4	51660-2	04-24-064-14W6	WE	06-12-064-14W6	CHINOOK RIDGE	90					4					40		
Moderate	1-4	2215-7	12-26-064-22W5	BE	13-30-064-21W5	MCKINLEY											40		
Moderate	1-4	41492-20	09-33-063-02W6	WE	08-04-064-02W6	KARR	90					21					80		
Moderate	1-4	3432-10	07-01-063-03W5	BE	11-11-063-02W5	JARVIE											80		
Moderate	1-4	50112-1	11-07-063-08W4	CS	10-30-063-08W4	SUGDEN											160		
Moderate	1-4	35635-2	05-13-063-09W4	PL	16-20-063-09W4	SUGDEN											80		
Moderate	1-4	22784-1	10-12-063-12W6	BE	07-12-063-12W6	NARRAWAY											20		
Moderate	1-4	31723-2	16-25-063-14W6	WE	13-09-064-13W6	NARRAWAY	90					4					80		
Moderate	1-4	21488-1	01-21-063-20W5	WE	11-16-063-20W5	KAYBOB	90					25					80		
Moderate	1-4	5798-5	15-26-063-21W5	PL	07-02-064-21W5	TONY CREEK NORTH	90					9					40		
Moderate	1-4	32779-38	07-31-063-22W5	PL	09-19-063-22W5	WASKAHIGAN	90					4					40		
Moderate	1-4	6064-113	07-05-063-24W5	PL	06-03-063-24W5	WASKAHIGAN	90										80		
Moderate	1-4	19164-21	01-08-063-25W5	PL	16-03-063-25W5	SIMONETTE	90					5					40		
Moderate	1-4	13368-6	16-03-063-25W5	PL	04-07-063-24W5	SIMONETTE	90					6					80		
Moderate	1-4	7123-36	02-27-062-08W4	WE	11-33-062-08W4	SUGDEN	90					4					40		
Moderate	1-4	7476-1	03-13-062-13W6	BE	14-36-061-13W6	NARRAWAY											40		
Moderate	1-4	28971-2	02-13-062-13W6	BE	03-13-062-13W6	NARRAWAY											20		
Moderate	1-4	17727-19	06-20-062-22W5	PL	05-30-062-22W5	GRIZZLY	90					4					40		
Moderate	1-4	5644-7	04-31-062-24W5	PL	04-07-063-24W5	WASKAHIGAN	90					4					40		
Moderate	1-4	41431-13	04-11-062-25W5	WE	06-06-062-24W5	WASKAHIGAN	90					4					160		
Moderate	1-4	11858-37	09-18-061-01W6	WE	06-12-061-02W6	RESTHAVEN	90					4					80		
Moderate	1-4	4458-79	16-20-061-09W4	CS	13-09-062-08W4	SUGDEN	90					4					80		
Moderate	1-4	32364-1	06-22-061-22W5	BE	05-34-061-22W5	GRIZZLY											40		
Moderate	1-4	36653-10	05-34-061-22W5	PL	07-07-062-22W5	GRIZZLY	90					4					80		
Moderate	1-4	20283-1	06-22-060-01W6	WE	02-16-060-01W6	PROVOST	90					4					40		
Moderate	1-4	40566-2	08-14-060-01W6	BE	01-14-060-01W6	PROVOST											40		
Moderate	1-4	40419-1	11-07-060-05W6	BE	07-07-060-05W6	CHIME											40		
Moderate	1-4	6512-1	16-20-060-09W6	PL	03-33-060-09W6	LYNX	90					4					40		
Moderate	1-4	20362-22	12-28-060-23W5	PL	08-03-061-23W5	PLACID	90					4					40		
Moderate	1-4	7192-7	11-25-060-24W5	PL	07-29-060-23W5	PLACID	90						18				80		
Moderate	1-4	17300-10	06-24-059-01W6	WE	15-25-059-01W6	PROVOST	90					5					80		
Moderate	1-4	29156-62	01-03-059-03W6	PL	03-02-059-03W6	SMOKY	90					5					40		
Moderate	1-4	20267-63	03-02-059-03W6	PL	07-36-058-03W6	SMOKY	90					4					40		
Moderate	1-4	17795-2	15-10-059-03W6	WE	01-03-059-03W6	SMOKY	90					4					40		
Moderate	1-4	5662-7	01-07-059-08W5	BE	06-18-059-08W5	GREENCOURT											40		
Moderate	1-4	28022-4	01-26-059-09W5	PL	09-26-059-09W5	GREENCOURT	90					4					40		
Moderate	1-4	7503-13	01-01-059-19W5	PL	06-06-059-18W5	KAYBOB SOUTH	90					4					40		
Moderate	1-4	8442-3	13-07-059-19W5	WE	11-13-059-20W5	KAYBOB SOUTH	90					4					80		
Moderate	1-4	37216-24	01-02-059-26W5	PL	16-27-058-26W5	CARSON CREEK NORTH	90					5					40		
Moderate	1-4	31058-8	06-04-059-26W5	WE	01-04-059-26W5	LELAND	90					4					40		
Moderate	1-4	40658-26	07-02-059-26W5	WE	16-27-058-26W5	LELAND	90					4					40		
Moderate	1-4	12527-4	05-19-059-26W5	WE	04-18-059-26W5	PROVOST	90					4					40		
Moderate	1-4	3911-56	09-20-058-01W6	WE	16-07-058-01W6	SMOKY	90					4					40		
Moderate	1-4	22980-3	15-08-058-01W6	WE	01-12-058-02W6	SMOKY	90					10					40		
Moderate	1-4	46054-1	07-36-058-03W6	WE	08-11-060-03W6	SMOKY											80		
Moderate	1-4	10760-16	14-16-058-04W6	WE	09-24-058-05W6	MOBERLY	90						20				80		
Moderate	1-4	10173-13	07-34-058-06W4	WE	11-03-059-06W4	LINDBERGH	90					4					40		
Moderate	1-4	15034-43	05-10-058-23W5	PL	13-01-058-23W5	SUNDANCE	90						20				80		
Moderate	1-4	17871-45	06-17-058-23W5	WE	08-08-058-23W5	SUNDANCE	90						18				80		
Moderate	1-4	13684-13	06-03-058-24W5	PL	06-33-057-24W5	WILD RIVER	90					5					40		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	1-4	53643-22	07-06-058-24W5	WE	02-31-057-24W5	WILD RIVER	90					6				40			
Moderate	1-4	23537-94	06-03-058-24W5	BE	06-33-057-24W5	WILD RIVER										40			
Moderate	1-4	17468-2	06-30-058-25W5	PL	03-31-058-25W5	LELAND	90					5				40			
Moderate	1-4	51453-23	06-02-058-25W5	WE	06-36-057-25W5	WILD RIVER	90					6				80			
Moderate	1-4	7215-25	16-27-058-26W5	PL	14-23-058-26W5	KAKWA	90					4				40			
Moderate	1-4	11548-1	16-35-058-26W5	WE	16-27-058-26W5	LELAND	90					5				40			
Moderate	1-4	9315-8	16-27-058-26W5	BE	11-03-060-25W5	LELAND										80			
Moderate	1-4	5866-1	16-35-058-26W5	BE	16-27-058-26W5	LELAND										40			
Moderate	1-4	9218-5	16-27-058-26W5	CS	14-23-058-26W5	LELAND	90					4				40			
Moderate	1-4	55905-31	06-34-058-27W5	CS	08-36-058-27W5	LELAND	90					4				40			
Moderate	1-4	27283-32	06-10-057-06W4	PL	13-23-057-06W4	SILER	90					4				80			
Moderate	1-4	29028-5	09-28-057-06W6	WE	05-26-057-06W6	FINDLEY	90									80			
Moderate	1-4	26448-16	05-26-057-06W6	WE	08-24-057-06W6	FINDLEY	90									40			
Moderate	1-4	22623-1	06-09-057-21W5	PL	07-03-057-21W5	KAYBOB SOUTH	90					4				40			
Moderate	1-4	35189-8	10-03-057-23W5	WE	06-03-057-23W5	WILD RIVER	90					7				40			
Moderate	1-4	21854-9	07-05-057-23W5	WE	04-03-057-23W5	WILD RIVER	90									80			
Moderate	1-4	19733-1	11-02-057-23W5	WE	05-02-057-23W5	WILD RIVER	90					4				20			
Moderate	1-4	26666-3	05-02-057-23W5	WE	05-02-057-23W5	WILD RIVER	90					4				40			
Moderate	1-4	28908-11	13-09-057-24W5	BE	07-09-057-24W5	WILD RIVER										40			
Moderate	1-4	31748-16	08-19-057-24W5	WE	08-30-057-24W5	WILD RIVER	90					5				80			
Moderate	1-4	50358-17	12-26-057-24W5	WE	06-33-057-24W5	WILD RIVER	90					4				80			
Moderate	1-4	36127-58	12-35-057-24W5	WE	09-35-057-24W5	WILD RIVER	90					4				40			
Moderate	1-4	16968-66	08-31-057-24W5	WE	11-31-057-24W5	WILD RIVER	90					4				40			
Moderate	1-4	14231-75	04-19-057-24W5	WE	01-19-057-24W5	WILD RIVER	90					4				40			
Moderate	1-4	16282-1	12-26-056-02W4	BE	14-11-056-02W4	LINDBERGH										40			
Moderate	1-4	35211-2	05-34-056-23W5	WE	04-03-057-23W5	WILD RIVER	90					4				40			
Moderate	1-4	34099-9	07-25-056-23W5	WE	05-34-056-23W5	WILD RIVER	90									80			
Moderate	1-4	32351-15	06-28-056-23W5	PL	12-28-056-23W5	WILD RIVER	90					4	20			40			
Moderate	1-4	17116-3	15-35-056-24W5	BE	02-02-057-24W5	WILD RIVER										20			
Moderate	1-4	24118-1	09-36-056-24W5	WE	12-36-056-24W5	WILD RIVER	90					4				40			
Moderate	1-4	15348-8	11-36-056-24W5	PL	12-36-056-24W5	WILD RIVER	90					4				40			
Moderate	1-4	11024-7	06-08-056-26W5	WE	04-10-056-26W5	WILD RIVER	90						18			80			
Moderate	1-4	14831-11	11-03-055-11W4	BE	16-01-055-11W4	DUVERNAY										80			
Moderate	1-4	27221-6	03-19-055-21W5	WE	14-12-055-22W5	SUNDANCE	90									80			
Moderate	1-4	31795-10	12-15-055-22W5	PL	10-09-055-22W5	SUNDANCE	90					4				40			
Moderate	1-4	8968-23	15-07-055-22W5	PL	14-32-054-22W5	SUNDANCE	90						20			80			
Moderate	1-4	4718-3	04-21-055-23W5	PL	12-10-055-23W5	WILD RIVER	90						18			80			
Moderate	1-4	16201-20	12-05-055-24W5	PL	02-18-055-24W5	PEDLEY	90					5				40			
Moderate	1-4	13435-25	02-18-055-24W5	PL	14-13-055-25W5	WILD RIVER	90					4				80			
Moderate	1-4	22916-2	03-36-055-26W5	WE	11-30-055-25W5	WILD RIVER	90					4				40			
Moderate	1-4	1978-41	14-07-054-12W4	PL	09-06-054-12W4	PLAIN	90					4				40			
Moderate	1-4	27082-6	11-08-054-16W5	WE	15-12-054-17W5	EDSON	90						20			80			
Moderate	1-4	19429-2	10-02-054-17W5	CS	01-09-054-17W5	EDSON	90					5				40			
Moderate	1-4	19778-5	13-18-054-20W5	WE	10-12-054-21W5	SUNDANCE	90					4				40			
Moderate	1-4	17523-4	04-20-054-20W5	WE	16-13-054-21W5	SUNDANCE	90					5				40			
Moderate	1-4	10409-118	03-12-054-21W5	PL	10-36-053-21W5	ANSELL	90					4				40			
Moderate	1-4	28130-3	03-14-054-21W5	WE	10-12-054-21W5	ANSELL	90					5				80			
Moderate	1-4	7839-8	13-22-054-21W5	WE	03-14-054-21W5	SUNDANCE	90					4				40			
Moderate	1-4	8152-25	08-32-054-22W5	WE	13-32-054-22W5	SUNDANCE	90					4				40			
Moderate	1-4	22128-31	04-12-054-25W5	WE	13-01-054-25W5	PEDLEY	90					4				40			
Moderate	1-4	5532-36	16-25-054-25W5	B	12-31-054-24W5	PEDLEY	90					4				40			
Moderate	1-4	18461-56	16-31-053-11W4	WE	07-15-054-11W4	PLAIN	90					4				80			
Moderate	1-4	27535-4	10-02-053-20W5	PL	14-14-053-20W5	EDSON	90					4				40			
Moderate	1-4	32908-13	13-16-053-20W5	PL	14-14-053-20W5	ANSELL	90					4				40			
Moderate	1-4	14439-103	10-36-053-21W5	PL	09-30-053-20W5	EDSON	90					4				40			
Moderate	1-4	28112-30	04-22-053-23W5	WE	13-27-053-23W5	SUNDANCE	90					9				80			
Moderate	1-4	17570-31	13-27-053-23W5	WE	12-01-054-23W5	SUNDANCE	90					4				40			
Moderate	1-4	58722-1	14-18-053-23W5	WE	12-19-053-23W5	DALEHURST	90					8				40			
Moderate	1-4	46390-2	04-30-053-23W5	PL	07-33-053-23W5	SUNDANCE	90					4				80			
Moderate	1-4	14620-27	13-31-053-24W5	WE	13-01-054-25W5	PEDLEY	90					4				40			
Moderate	1-4	23488-4	07-36-053-24W5	PL	04-30-053-23W5	PEDLEY	90					4				40			
Moderate	1-4	11233-6	07-27-052-09W4	PL	12-35-052-09W4	BEAUVALLON	90					4				40			
Moderate	1-4	20151-7	12-29-052-19W5	BE	01-30-052-19W5	ANSELL										40			
Moderate	1-4	4959-59	05-10-052-20W5	PL	01-11-052-20W5	ANSELL	90					6				40			
Moderate	1-4	10228-101	07-04-052-20W5	WE	05-10-052-20W5	ANSELL	90					4				40			
Moderate	1-4	21697-63	05-05-052-21W5	PL	09-09-052-21W5	MEDICINE LODGE	90					4				40			
Moderate	1-4	32741-11	08-11-052-23W5	WE	13-24-052-23W5	PEPPERS	90					4				80			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	1-4	12624-5	10-08-052-23W5	BE	07-08-052-23W5	PEPPERS										20			
Moderate	1-4	17212-12	07-27-051-17W5	WE	09-32-051-17W5	EDSON	90					4				80			
Moderate	1-4	9464-14	02-05-049-17W5	WE	11-05-049-17W5	MINEHEAD	90					4				40			
Moderate	1-4	15638-5	09-21-047-17W5	PL	07-27-047-17W5	HANLAN	90					4				80			
Moderate	1-4	20141-5	01-05-046-19W5	PL	15-06-046-19W5	LOVETT RIVER	90					4				40			
Moderate	1-4	28092-1	16-11-046-20W5	WE	10-01-046-20W5	LOVETT RIVER	90					8				40			
Moderate	1-4	5020-12	05-12-046-27W4	PL	01-11-046-27W4	BONNIE GLEN	90					5				40			
Moderate	1-4	14843-8	10-03-046-28W4	PL	10-02-046-01W5	WESTEROSE	90					5				40			
Moderate	1-4	18990-1	11-28-045-01W5	CS	14-02-046-01W5	WESTEROSE	90					4				80			
Moderate	1-4	15497-51	14-34-045-01W5	PL	14-02-046-01W5	WESTEROSE	90					4				40			
Moderate	1-4	6865-1	07-02-045-02W5	PL	06-02-045-02W5	PEMBINA	90					6				20			
Moderate	1-4	37955-1	01-04-045-18W5	WE	04-03-045-18W5	VOYAGER	90					4				20			
Moderate	1-4	22446-6	05-32-045-19W4	BE	05-32-045-19W4	BRUCE										20			
Moderate	1-4	13218-7	05-32-045-19W4	BE	12-32-045-19W4	BRUCE										20			
Moderate	1-4	8886-5	14-14-044-03W5	PL	14-18-044-02W5	PEMBINA	90					4				40			
Moderate	1-4	2104-54	11-30-044-17W4	WE	11-30-044-17W4	HOLMBERG	90					4				20			
Moderate	1-4	46482-1	10-05-044-22W4	BE	10-29-043-22W4	MALMO										160			
Moderate	1-4	3056-24	14-08-043-22W4	PL	14-30-042-22W4	MALMO	90					4				80			
Moderate	1-4	27076-1	10-28-043-22W4	WE	03-33-043-22W4	MALMO	90					4				40			
Moderate	1-4	20596-3	16-10-042-09W5	WE	12-11-042-09W5	FERRIER	90					4				40			
Moderate	1-4	10155-1	09-07-042-14W4	BE	04-11-042-14W4	KILLAM										80			
Moderate	1-4	18835-5	07-34-041-06W5	PL	01-33-041-06W5	WILLEDEN GREEN	90					4				40			
Moderate	1-4	45709-23	13-07-041-10W5	WE	11-34-040-10W5	FERRIER	90					4				80			
Moderate	1-4	49671-138	04-04-040-08W5	WE	11-04-040-08W5	FERRIER	90					25				80			
Moderate	1-4	31037-2	10-29-040-10W5	WE	10-21-040-10W5	FERRIER	90					5				80			
Moderate	1-4	42323-7	10-24-040-10W5	PL	07-18-040-09W5	FERRIER	90					4				80			
Moderate	1-4	24829-12	06-09-040-10W5	WE	03-12-040-10W5	FERRIER	90					4				80			
Moderate	1-4	8464-16	09-12-040-10W5	PL	01-13-040-10W5	FERRIER	90					4				40			
Moderate	1-4	39501-18	05-15-040-10W5	WE	05-10-040-10W5	FERRIER	90					4				40			
Moderate	1-4	35551-26	09-17-040-10W5	WE	09-21-040-10W5	FERRIER	90					5				40			
Moderate	1-4	55866-11	07-25-040-11W5	WE	12-29-040-10W5	CHAMBERS	90					8				40			
Moderate	1-4	42887-27	09-13-040-11W5	WE	07-25-040-11W5	FERRIER	90					4				40			
Moderate	1-4	7312-8	14-19-040-22W4	PL	01-18-040-22W4	NEVIS	90					6				40			
Moderate	1-4	20339-9	01-18-040-22W4	PL	13-33-039-22W4	NEVIS	90					4				80			
Moderate	1-4	31609-92	05-01-039-07W5	PL	10-10-039-07W5	FERRIER	90					12				80			
Moderate	1-4	17497-139	14-30-039-07W5	PL	11-29-039-07W5	FERRIER	90					5				160			
Moderate	1-4	38382-151	02-06-039-07W5	WE	14-04-039-07W5	WILD RIVER	90					15				80			
Moderate	1-4	19425-10	13-33-039-22W4	PL	13-33-039-22W4	NEVIS	90					9				20			
Moderate	1-4	26104-2	05-11-039-22W4	PL	06-12-039-22W4	NEVIS	90					5				80			
Moderate	1-4	41028-21	02-26-038-07W5	S	05-25-038-07W5	FERRIER	90					4				80			
Moderate	1-4	53392-30	05-25-038-07W5	PL	10-26-038-07W5	FERRIER	90					4				80			
Moderate	1-4	4376-1	08-11-038-28W4	PS	16-36-039-01W5	CYGNET										80			
Moderate	1-4	7283-65	08-07-037-25W4	PL	06-20-037-25W4	THREE HILLS CREEK	90									80			
Moderate	1-4	37928-1	08-20-034-13W4	WE	04-29-034-13W4	SULLIVAN LAKE						4		18		160			
Moderate	1-4	24493-13	02-15-033-21W4	WE	16-10-033-21W4	TROCHU	90					4				40			
Moderate	1-4	40581-2	04-15-033-21W4	WE	13-10-033-21W4	TROCHU	90					4				40			
Moderate	1-4	22489-2	01-04-032-11W4	CS	08-21-031-11W4	RACOSTA	90					4				40			
Moderate	1-4	4784-19	16-10-032-11W4	WE	01-04-032-11W4	PROVOST	90					4				40			
Moderate	1-4	9208-14	11-23-031-02W4	CS	11-23-031-02W4	ESTHER	90					4				20			
Moderate	1-4	39714-82	16-07-031-11W4	PL	08-21-031-11W4	RACOSTA	90					4				80			
Moderate	1-4	29093-3	08-25-031-14W4	GP	13-22-031-14W4	HANNA	90						20			160			
Moderate	1-4	50710-1	09-36-031-17W4	WE	08-01-032-17W4	CRAIGMYLE	90					4				80			
Moderate	1-4	6367-2	05-26-031-19W4	BE	15-22-031-19W4	DELIA										40			
Moderate	1-4	43806-1	02-12-030-09W4	WE	05-22-030-09W4	SOUNDING	90					5				80			
Moderate	1-4	35409-128	01-22-029-09W4	PL	05-22-030-09W4	DOBSON	90					4				80			
Moderate	1-4	11958-3	09-29-029-10W4	PL	11-30-029-10W4	STANMORE	90					4				40			
Moderate	1-4	10968-35	13-22-029-14W4	PL	07-27-029-14W4	WILDUNN CREEK	90					4				40			
Moderate	1-4	44814-31	13-04-028-11W4	BE	07-04-028-11W4	STANMORE										40			
Moderate	1-4	28651-89	15-07-028-18W4	PL	02-18-028-18W4	WAYNE-ROSEDALE	90									40			
Moderate	1-4	30150-1	16-29-028-18W4	WE	11-19-028-18W4	AERIAL	90					4				40			
Moderate	1-4	38328-30	02-36-027-12W4	BE	02-01-028-12W4	CESSFORD										40			
Moderate	1-4	37147-17	10-02-026-12W4	BE	10-04-026-12W4	CESSFORD										160			
Moderate	1-4	18498-116	06-25-026-16W4	WE	14-24-026-16W4	CONNORSVILLE	90					4				40			
Moderate	1-4	26071-58	11-32-025-10W4	PL	01-17-026-10W4	SUNNYNOOK	90					4				40			
Moderate	1-4	0-41	08-11-025-13W4	PL	04-06-025-12W4	CESSFORD	90					5				40			
Moderate	1-4	11779-12	08-16-024-12W4	WE	11-35-023-12W4	CESSFORD	90					6				80			
Moderate	1-4	38341-111	07-16-024-16W4	PL	16-07-024-16W4	WINTERING HILLS	90									80			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4			
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION			
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Moderate	1-4	9203-74	08-09-023-08W4	WE	16-04-023-08W4	ATLEE-BUFFALO	90					5				40			
Moderate	1-4	18065-4	11-04-023-11W4	PL	02-31-022-11W4	CESSFORD	90						20			160			
Moderate	1-4	2226-141	11-29-023-15W4	CS	06-23-023-15W4	WINTERING HILLS	90					4				80			
Moderate	1-4	36977-7	16-02-022-03W4	WE	16-06-022-02W4	BINDLOSS	90					4				40			
Moderate	1-4	18135-1	16-21-022-09W4	B	01-28-022-09W4	JENNER	90					4				40			
Moderate	1-4	6243-14	09-18-021-03W5	S	01-08-021-03W5	TURNER VALLEY	90					4				160			
Moderate	1-4	52786-16	01-08-021-03W5	PL	02-08-021-03W5	TURNER VALLEY	90									80			
Moderate	1-4	43137-17	15-05-021-03W5	PL	06-33-020-03W5	TURNER VALLEY	90					4				160			
Moderate	1-4	19866-4	08-08-021-03W5	S	01-08-021-03W5	TURNER VALLEY	90					4				20			
Moderate	1-4	17595-5	01-08-021-03W5	BE	01-08-021-03W5	TURNER VALLEY	90									20			
Moderate	1-4	53922-7	01-08-021-03W5	PL	16-05-021-03W5	TURNER VALLEY	90					4				40			
Moderate	1-4	49949-8	09-18-021-03W5	PL	01-08-021-03W5	TURNER VALLEY	90					4				40			
Moderate	1-4	19764-6	06-27-020-03W5	WE	13-27-020-03W5	TURNER VALLEY	90					4				80			
Moderate	1-4	18634-16	13-27-020-03W5	S	06-33-020-03W5	TURNER VALLEY	90					4				80			
Moderate	1-4	38119-166	16-18-020-13W4	BE	06-18-020-13W4	BANTRY	90									40			
Moderate	1-4	10878-22	08-13-020-23W4	WE	02-11-020-23W4	SHOULDICE	90					4				40			
Moderate	1-4	44474-1	14-27-019-10W4	WE	10-27-019-10W4	PRINCESS	90					4				40			
Moderate	1-4	26870-5	10-27-019-10W4	WE	06-27-019-10W4	PRINCESS	90					4				40			
Moderate	1-4	11029-309	13-10-018-11W4	CS	09-21-018-11W4	PRINCESS	90					5				40			
Moderate	1-4	24370-2	04-31-018-19W4	BE	03-31-018-19W4	MAJORVILLE	90									20			
Moderate	1-4	22629-19	01-09-016-21W4	BE	15-04-016-21W4	LONG COULEE	90									40			
Moderate	1-4	13096-22	09-35-016-24W4	BE	10-35-016-24W4	VULCAN	90									20			
Moderate	1-4	12256-2	06-24-015-18W4	PL	11-08-015-18W4	LITTLE BOW	90					4				80			
Moderate	1-4	3873-26	13-23-015-22W4	PL	08-24-015-22W4	LONG COULEE	90									80			
Moderate	1-4	24484-21	08-24-015-22W4	PL	01-24-015-22W4	LINDBERGH	90									20			
Moderate	1-4	17846-1	14-09-014-16W4	S	05-27-014-16W4	ENCHANT	90					4				160			
Moderate	1-4	8194-9	05-27-014-16W4	B	08-22-014-16W4	ENCHANT	90					5				40			
Moderate	1-4	10925-10	04-15-014-16W4	BE	08-22-014-16W4	ENCHANT	90									40			
Moderate	1-4	26837-46	10-02-014-26W4	WE	01-15-014-26W4	PEACOCK	90					4				40			
Moderate	1-4	11661-51	08-14-013-01W4	PL	07-14-013-01W4	MEDICINE HAT	90									40			
Moderate	1-4	4758-91	06-09-013-03W4	PL	06-05-013-03W4	MEDICINE HAT	90					8				40			
Moderate	1-4	2643-234	03-21-013-03W4	PL	01-13-013-04W4	MEDICINE HAT	90					9				40			
Moderate	1-4	7931-123	10-02-013-04W4	PL	01-13-013-04W4	MEDICINE HAT	90					4				40			
Moderate	1-4	19314-1	11-31-013-14W4	GP	14-22-014-16W4	HAYS	90									80			
Moderate	1-4	17774-5	05-28-013-15W4	PL	09-21-013-15W4	ENCHANT	90					4				160			
Moderate	1-4	39526-1	04-12-013-15W4	S	12-18-013-14W4	HAYS	90					4				160			
Moderate	1-4	5888-19	14-24-013-27W4	PL	11-14-013-27W4	CLARESHOLM	90									80			
Moderate	1-4	13179-34	15-11-013-28W4	PL	07-01-013-28W4	EASTMONT	90									80			
Moderate	1-4	3362-374	11-05-012-08W4	PL	06-05-012-08W4	MEDICINE HAT	90					4				40			
Moderate	1-4	54526-1	12-01-012-14W4	B	08-07-012-13W4	GRAND FORKS	90					4				40			
Moderate	1-4	4399-12	03-16-012-17W4	PL	14-09-012-17W4	VAUXHALL	90					4				20			
Moderate	1-4	1257-210	08-23-010-17W4	PL	06-24-010-17W4	TABER	90					4				80			
Moderate	1-4	4800-222	15-17-010-17W4	WE	16-17-010-17W4	TABER NORTH	90					4				80			
Moderate	1-4	10611-84	03-09-010-17W4	BE	01-09-010-17W4	TABER NORTH	90									120			
Moderate	1-4	25035-2	03-05-009-11W4	PL	16-27-008-11W4	FORTY MILE	90					11				80			
Moderate	1-4	3797-10	13-33-009-17W4	PL	16-32-009-17W4	TABER	90					4				20			
Moderate	1-4	9600-248	12-24-008-17W4	PL	05-24-008-17W4	TABER	90					4				80			
Moderate	1-4	2964-215	06-32-007-16W4	BE	04-06-008-16W4	TABER SOUTH	90									160			
Moderate	1-4	39918-417	09-06-007-16W4	WE	08-06-007-16W4	TBC	90					4				80			
Moderate	1-4	2785-99	13-06-006-16W4	B	06-13-006-17W4	WRENTHAM	90					4				160			
Moderate	1-4	16039-69	11-32-005-13W4	WE	14-35-005-13W4	SMITH COULEE	90					4				40			
Moderate	1-4	50406-1	09-29-001-11W4	PL	05-08-002-11W4	KNAPPEN	90					4				80			
		0-																	
Low	4-1	8181-10	04-22-080-08W5	PL	04-22-080-08W5	NIPISI	60	60						90	30	40	10	60	
Low	4-1	13892-16	02-29-080-09W5	PL	02-29-080-09W5	NIPISI	60	60				4			90	30	40	10	60
Low	4-1	9947-2	08-13-079-08W5	WE	08-13-079-08W5	NIPISI	60	60				4			90	30	40	10	60
Low	4-1	1961-10	08-13-079-08W5	PL	08-13-079-08W5	NIPISI	60	60							90	30	40	10	60
Low	4-1	6930-53	06-09-019-13W4	WE	06-09-019-13W4	BANTRY	60	60							90	30	40	10	60
Low	4-1	36964-62	14-19-019-13W4	WE	14-19-019-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	5354-14	14-14-019-14W4	WE	14-14-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	6963-2	16-30-019-14W4	WE	08-30-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	12738-6	16-19-019-14W4	WE	16-19-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	5604-19	08-20-019-14W4	WE	08-20-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	13587-29	06-17-019-14W4	WE	07-17-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	15625-69	10-18-019-14W4	WE	08-18-019-14W4	COUNTRESS	90	90							90	30	40	10	60
Low	4-1	15795-71	10-17-019-14W4	WE	10-17-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	10020-75	13-17-019-14W4	WE	13-17-019-14W4	BANTRY	90	90							90	30	40	10	60

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	4-1	2377-79	10-17-019-14W4	WE	10-17-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	6453-86	01-19-019-14W4	WE	04-20-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	14096-98	01-20-019-14W4	WE	16-17-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	6453-102	05-20-019-14W4	WE	12-20-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	12568-106	09-19-019-14W4	WE	16-19-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	14266-120	01-22-019-14W4	WE	01-22-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	9171-121	01-22-019-14W4	PL	16-15-019-14W4	BANTRY	90	90							90	30	20	10	60
Low	4-1	3396-154	03-22-019-14W4	WE	06-22-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	22070-2	14-23-019-14W4	WE	15-23-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	5028-3	08-23-019-14W4	WE	01-23-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	11174-5	06-24-019-14W4	WE	03-24-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	20565-1	04-15-019-14W4	WE	12-15-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	49671-210	08-29-019-14W4	WE	08-29-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	49671-226	11-23-019-14W4	WE	11-23-019-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	12078-3	14-32-019-19W4	WE	14-32-019-19W4	JUMPBUSH	90	90							90	30	40	10	60
Low	4-1	8869-47	14-10-018-02W4	WE	16-10-018-02W4	MEDICINE HAT	90	90							90	30	40	10	60
Low	4-1	11654-20	08-31-018-03W4	WE	08-31-018-03W4	MEDICINE HAT	90	90							90	30	40	10	60
Low	4-1	2707-26	16-04-018-10W4	WE	01-09-018-10W4	ALDERSON	90	90							90	30	40	10	60
Low	4-1	4765-34	11-02-018-10W4	WE	11-02-018-10W4	ALDERSON	90	90							90	30	40	10	60
Low	4-1	2382-148	08-18-018-10W4	WE	08-18-018-10W4	ALDERSON	90	90							90	30	40	10	60
Low	4-1	2707-157	16-28-018-10W4	WE	16-28-018-10W4	PRINCESS	90	90							90	30	40	10	60
Low	4-1	10831-181	14-13-018-10W4	WE	11-13-018-10W4	JENNER	90	90							90	30	40	10	60
Low	4-1	8881-182	08-14-018-10W4	WE	09-14-018-10W4	ALDERSON	60	60							90	30	40	10	60
Low	4-1	8448-183	14-15-018-10W4	WE	14-15-018-10W4	ALDERSON	90	90							90	30	40	10	60
Low	4-1	3899-191	14-30-018-10W4	WE	14-30-018-10W4	PRINCESS	60	60							90	30	40	10	60
Low	4-1	6931-193	08-33-018-10W4	WE	01-33-018-10W4	PRINCESS	90	90							90	30	40	10	60
Low	4-1	7148-387	06-36-018-10W4	PL	06-36-018-10W4	PRINCESS	60	60							90	30	20	10	60
Low	4-1	11377-148	08-30-018-11W4	WE	10-30-018-11W4	PRINCESS	90	90							90	30	40	10	60
Low	4-1	10100-153	08-33-018-11W4	WE	08-33-018-11W4	PRINCESS	90	90							90	30	40	10	60
Low	4-1	6670-258	11-03-018-12W4	WE	06-03-018-12W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	1696-29	08-05-018-12W4	WE	09-05-018-12W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	6787-30	12-10-018-12W4	WE	08-09-018-12W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	10424-31	16-10-018-12W4	WE	09-10-018-12W4	ALDERSON	90	90							90	30	40	10	60
Low	4-1	6060-59	11-17-018-12W4	WE	10-17-018-12W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	7623-116	07-01-018-13W4	WE	07-01-018-13W4	BANTRY	60	60			4				90	30	20	10	60
Low	4-1	5111-514	14-17-018-13W4	WE	11-17-018-13W4	BANTRY	60	60			4				90	30	20	10	60
Low	4-1	8484-37	14-16-018-13W4	WE	10-16-018-13W4	BANTRY	60	60			4				90	30	20	10	60
Low	4-1	2787-70	09-32-018-13W4	WE	15-32-018-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	10385-246	12-36-018-13W4	WE	12-36-018-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	6490-252	10-31-018-13W4	WE	10-31-018-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	32020-272	01-18-018-13W4	WE	01-18-018-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	4331-224	16-12-018-14W4	WE	16-12-018-14W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	2598-923	14-14-018-14W4	WE	11-14-018-14W4	NEWELL	90	90							90	30	40	10	60
Low	4-1	22973-14	08-09-018-14W4	WE	09-09-018-14W4	NEWELL	90	90							90	30	40	10	60
Low	4-1	11366-36	06-17-018-14W4	WE	06-17-018-14W4	NEWELL	60	60							90	30	40	10	60
Low	4-1	13542-62	06-19-018-14W4	WE	07-19-018-14W4	BROOKS	90	90							90	30	40	10	60
Low	4-1	10973-56	14-36-018-14W4	WE	14-36-018-14W4	BANTRY	60	60							90	30	40	10	60
Low	4-1	10156-54	16-25-018-15W4	WE	09-25-018-15W4	COUNTRESS	90	90							90	30	40	10	60
Low	4-1	8774-25	08-33-017-02W4	WE	08-33-017-02W4	MEDICINE HAT	90	90							90	30	40	10	60
Low	4-1	23503-2	07-18-017-02W4	WE	08-18-017-02W4	MEDICINE HAT	90	90							90	30	40	10	60
Low	4-1	4418-423	08-24-017-12W4	WE	16-13-017-12W4	BANTRY	60	60							90	30	40	10	60
Low	4-1	5625-67	09-13-017-12W4	WE	09-13-017-12W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	5804-931	08-27-017-13W4	WE	08-27-017-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	7878-15	16-30-017-13W4	WE	16-30-017-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	10060-56	10-14-017-13W4	WE	09-14-017-13W4	BANTRY	60	60							90	30	40	10	60
Low	4-1	7272-67	10-27-017-13W4	WE	09-27-017-13W4	BANTRY	60	60							90	30	40	10	60
Low	4-1	4262-27	11-16-017-13W4	WE	06-16-017-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	5246-53	06-02-017-13W4	WE	06-02-017-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	16394-58	14-04-017-13W4	PL	15-04-017-13W4	BANTRY	60	60							90	30	20	10	60
Low	4-1	5902-69	16-16-017-13W4	WE	08-16-017-13W4	BANTRY	90	90							90	30	40	10	60
Low	4-1	8197-71	16-09-017-13W4	WE	16-09-017-13W4	BANTRY	90	90							90	30	20	10	60
Low	4-1	6885-74	08-19-017-13W4	WE	09-19-017-13W4	NEWELL	90	90							90	30	40	10	60
Low	4-1	3831-188	08-30-016-11W4	WE	12-29-016-11W4	ALDERSON	90	90							90	30	40	10	60
Low	4-1	5497-337	11-29-016-11W4	WE	10-29-016-11W4	ALDERSON	90	90							90	30	40	10	60
Low	4-1	5212-21	06-33-016-11W4	WE	06-33-016-11W4	ALDERSON	90	90							90	30	40	10	60
Low	4-1	1299-237	12-27-016-12W4	WE	12-27-016-12W4	BANTRY	60	60							90	30	40	10	60
Low	4-1	6952-1	16-34-016-13W4	CS	09-34-016-13W4	BANTRY	60	60							90	30	40	10	60

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	4-1	2539-33	14-09-016-19W4	WE	14-09-016-19W4	ARMADA	90	90					90	30	40	10	60		
Low	4-1	45628-106	13-13-015-03W4	WE	13-13-015-03W4	MEDICINE HAT	60	60					90	30	40	10	60		
Low	4-1	3965-194	09-01-014-04W4	WE	10-01-014-04W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	2643-131	16-05-014-09W4	WE	15-05-014-09W4	ALDERSON	90	90					90	30	40	10	60		
Low	4-1	5414-161	08-14-014-11W4	WE	04-13-014-11W4	ALDERSON	90	90					90	30	40	10	60		
Low	4-1	13206-1	10-29-014-18W4	WE	06-29-014-18W4	LITTLE BOW	60	60					90	30	40	10	60		
Low	4-1	14188-29	10-15-013-01W4	WE	09-15-013-01W4	MEDICINE HAT	60	60					90	30	40	10	60		
Low	4-1	7534-217	09-19-013-03W4	WE	08-19-013-03W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	8490-61	14-13-013-04W4	WE	14-13-013-04W4	MEDICINE HAT	60	60					90	30	40	10	60		
Low	4-1	6105-72	16-34-013-04W4	WE	13-35-013-04W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	2385-76	08-36-013-04W4	WE	07-36-013-04W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	3911-80	10-27-013-04W4	WE	10-27-013-04W4	MEDICINE HAT	60	60					90	30	40	10	60		
Low	4-1	6609-10	14-35-013-04W4	WE	13-35-013-04W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	7006-32	08-35-013-04W4	WE	05-36-013-04W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	9385-158	08-03-013-04W4	WE	09-03-013-04W4	MEDICINE HAT	60	60					90	30	40	10	60		
Low	4-1	11632-173	09-15-013-04W4	WE	09-15-013-04W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	4758-181	03-01-013-04W4	WE	03-01-013-04W4	MEDICINE HAT	90	90					90	30	20	10	60		
Low	4-1	1982-203	10-12-013-04W4	WE	10-12-013-04W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	5021-70	08-09-013-07W4	WE	09-09-013-07W4	MEDICINE HAT	60	60					90	30	40	10	60		
Low	4-1	4700-73	08-30-013-07W4	WE	08-30-013-07W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	8547-74	14-21-013-07W4	WE	14-21-013-07W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	6840-153	08-17-013-07W4	WE	16-08-013-07W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	11077-1	14-11-013-15W4	WE	14-11-013-15W4	HAYS									40	10	60		
Low	4-1	8148-64	14-24-012-07W4	WE	14-24-012-07W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	4459-15	14-26-012-07W4	WE	14-26-012-07W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	31755-1	08-07-012-13W4	PL	10-07-012-13W4	GRAND FORKS	90	90					90	30	20	10	60		
Low	4-1	7695-4	08-30-011-06W4	WE	09-30-011-06W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	15129-165	16-20-011-08W4	WE	16-20-011-08W4	MEDICINE HAT	90	90					90	30	40	10	60		
Low	4-1	11849-1	16-18-007-16W4	S	16-18-007-16W4	TABER SOUTH	90	90					90	30	40	10	60		
Low	4-1	4806-3	01-17-007-16W4	WE	08-17-007-16W4	TABER SOUTH	60	60					90	30	40	10	60		
Low	4-1	21681-65	14-23-005-13W4	WE	12-23-005-13W4	SMITH COULEE	90	90					90	30	40	10	60		
0-																			
Low	3-1	5001-7	05-07-094-01W6	WE	06-07-094-01W6	HOTCHKISS	90	90					90	30	20	10	90		
Low	3-1	49116-13	03-15-087-07W5	WE	16-10-087-07W5	RED EARTH	60	60				4	90	30	80	15	90		
Low	3-1	45628-138	14-09-016-02W4	WE	14-09-016-02W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	23103-143	12-18-016-02W4	WE	11-18-016-02W4	MEDICINE HAT	90	90					90	30	20	10	90		
Low	3-1	51404-157	03-18-016-02W4	WE	03-18-016-02W4	MEDICINE HAT	90	90					90	30	20	10	90		
Low	3-1	54292-158	12-07-016-02W4	WE	14-07-016-02W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	35809-167	01-05-016-02W4	WE	08-05-016-02W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	42852-12	11-29-016-09W4	BE	10-29-016-09W4	ALDERSON									20	10	90		
Low	3-1	19424-1	08-25-016-13W4	WE	08-25-016-13W4	BANTRY	90	90					90	30	40	10	90		
Low	3-1	9818-66	14-19-015-02W4	WE	14-19-015-02W4	MEDICINE HAT	90	90					90	30	20	10	90		
Low	3-1	15594-68	05-29-015-02W4	WE	04-29-015-02W4	MEDICINE HAT	90	90					90	30	20	10	90		
Low	3-1	49671-102	14-30-015-02W4	WE	15-30-015-02W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	14439-108	13-18-015-02W4	WE	16-13-015-03W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	33499-148	08-20-015-02W4	WE	08-20-015-02W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	9818-190	01-20-015-02W4	WE	02-20-015-02W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	30611-198	13-17-015-02W4	WE	09-18-015-02W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	22525-93	16-26-015-03W4	PL	16-26-015-03W4	MEDICINE HAT	60	60				4	90	30	20	10	90		
Low	3-1	8663-94	14-26-015-03W4	WE	14-26-015-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	48516-109	11-14-015-03W4	WE	06-14-015-03W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	51982-117	01-26-015-03W4	WE	08-26-015-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	28879-120	01-27-015-03W4	WE	16-22-015-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	37542-175	03-35-015-03W4	WE	14-26-015-03W4	MEDICINE HAT	90	90					90	30	20	10	90		
Low	3-1	7508-177	12-26-015-03W4	WE	13-26-015-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	35232-183	10-26-015-03W4	WE	16-26-015-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	23680-208	11-35-015-03W4	WE	11-35-015-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	16246-6	11-17-015-10W4	BE	13-17-015-10W4	ALDERSON									40	10	90		
Low	3-1	10046-157	02-03-014-04W4	WE	14-34-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	4891-195	07-03-014-04W4	WE	02-03-014-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	10297-81	06-04-014-09W4	BE	11-04-014-09W4	ALDERSON									20	10	90		
Low	3-1	7096-333	11-20-014-09W4	PL	11-20-014-09W4	ALDERSON	90	90					90	30	20	10	90		
Low	3-1	5997-221	08-11-014-11W4	WE	05-12-014-11W4	ALDERSON	90	90					90	30	20	10	90		
Low	3-1	6608-22	08-15-013-01W4	WE	05-14-013-01W4	MEDICINE HAT	90	90					90	30	20	10	90		
Low	3-1	14771-27	12-14-013-01W4	WE	09-15-013-01W4	MEDICINE HAT	90	90				4	90	30	40	10	90		
Low	3-1	10301-28	02-15-013-01W4	WE	01-15-013-01W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	8940-30	10-24-013-01W4	WE	11-24-013-01W4	MEDICINE HAT	90	90					90	30	40	10	90		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	3-1	6802-33	12-13-013-01W4	WE	12-13-013-01W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	15160-35	04-24-013-01W4	WE	03-24-013-01W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	20245-16	07-25-013-02W4	WE	07-25-013-02W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	28210-17	11-25-013-02W4	WE	14-25-013-02W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	14271-18	04-36-013-02W4	WE	03-36-013-02W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	23564-21	10-35-013-02W4	WE	10-35-013-02W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	6305-22	15-36-013-02W4	WE	10-36-013-02W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	8013-55	14-18-013-03W4	WE	14-18-013-03W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	9121-137	10-19-013-03W4	WE	11-19-013-03W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	1454-138	16-19-013-03W4	WE	16-19-013-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	5816-141	14-07-013-03W4	WE	14-07-013-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	8063-143	14-16-013-03W4	WE	14-16-013-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	3701-145	14-17-013-03W4	WE	14-17-013-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	2511-161	10-18-013-03W4	WE	07-18-013-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	2247-187	10-09-013-03W4	WE	11-09-013-03W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	5342-47	01-23-013-04W4	WE	08-23-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	5342-48	16-23-013-04W4	WE	10-23-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	1526-52	02-27-013-04W4	WE	02-27-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	1431-53	11-27-013-04W4	WE	14-27-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	9253-54	11-34-013-04W4	WE	11-34-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	3816-58	14-11-013-04W4	WE	11-11-013-04W4	MEDICINE HAT	90	90					90	30	20	10	90		
Low	3-1	8490-60	06-13-013-04W4	WE	06-13-013-04W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	5819-62	06-14-013-04W4	WE	06-14-013-04W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	2575-64	06-15-013-04W4	WE	06-15-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	8872-65	13-14-013-04W4	WE	12-14-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	7345-70	06-35-013-04W4	WE	03-35-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	2957-75	10-36-013-04W4	WE	07-36-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	7006-22	06-24-013-04W4	WE	11-24-013-04W4	MEDICINE HAT	90	90				4	90	30	20	10	90		
Low	3-1	10575-30	08-34-013-04W4	WE	05-35-013-04W4	MEDICINE HAT	90	90				4	90	30	20	10	90		
Low	3-1	1586-147	08-02-013-04W4	WE	08-02-013-04W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	7402-149	04-12-013-04W4	WE	04-12-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	10046-156	06-03-013-04W4	WE	06-03-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	9782-167	10-34-013-04W4	WE	10-34-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	4362-169	15-24-013-04W4	WE	15-24-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	4891-172	02-22-013-04W4	WE	10-15-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	1454-176	05-11-013-04W4	WE	05-11-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	6477-180	08-01-013-04W4	WE	01-01-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	3172-197	01-34-013-04W4	WE	16-27-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	10575-200	10-24-013-04W4	WE	16-24-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	10046-204	02-15-013-04W4	WE	08-15-013-04W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	3525-72	14-18-013-07W4	WE	14-18-013-07W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	1675-156	08-18-013-07W4	WE	08-18-013-07W4	MEDICINE HAT	60	60					90	30	40	10	90		
Low	3-1	3498-793	10-33-013-10W4	WE	06-33-013-10W4	ALDERSON	90	90					90	30	20	10	90		
Low	3-1	6286-67	08-30-012-06W4	WE	08-30-012-06W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	4743-136	10-03-012-07W4	WE	10-03-012-07W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	19053-18	14-34-012-07W4	WE	14-34-012-07W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	17931-96	06-16-012-08W4	BE	07-16-012-08W4	MEDICINE HAT									20	10	90		
Low	3-1	7284-170	16-10-012-08W4	BE	16-10-012-08W4	MEDICINE HAT									20	10	90		
Low	3-1	13262-178	16-24-012-09W4	BE	16-24-012-09W4	BOW ISLAND									20	10	90		
Low	3-1	15984-4	10-07-012-13W4	BE	10-07-012-13W4	GRAND FORKS									20	10	90		
Low	3-1	5199-7	10-07-012-13W4	BE	10-07-012-13W4	GRAND FORKS									20	10	90		
Low	3-1	2561-60	08-35-011-07W4	WE	09-35-011-07W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	5820-69	08-34-011-07W4	WE	08-34-011-07W4	MEDICINE HAT	90	90					90	30	40	10	90		
Low	3-1	21591-110	15-34-011-28W4	WE	02-03-012-28W4	EASTMONT	90	90					90	30	40	10	90		
Low	3-1	19383-1	09-23-010-17W4	BE	08-23-010-17W4	TABER NORTH									40	10	90		
Low	3-1	1533-2	16-18-007-16W4	S	16-18-007-16W4	TABER SOUTH	90	90					90	30	40	10	90		
Low	3-1	4539-2	08-17-007-16W4	PL	08-17-007-16W4	TABER SOUTH	90	90					90	30	40	10	90		
Low	3-1	6671-34	16-09-005-12W4	WE	01-16-005-12W4	SMITH COULEE	90	90					90	30	40	10	90		
Low	3-1	28019-41	13-24-005-12W4	WE	13-24-005-12W4	SMITH COULEE	90	90					90	30	40	10	90		
Low	3-1	6004-44	09-23-005-12W4	WE	16-23-005-12W4	SMITH COULEE	90	90					90	30	40	10	90		
Low	3-1	19012-50	16-27-005-12W4	WE	16-27-005-12W4	SMITH COULEE	90	90					90	30	40	10	90		
Low	3-1	28686-58	16-08-005-12W4	PL	01-17-005-12W4	SMITH COULEE	90	90					90	30	40	10	90		
Low	2-2	7545-44	10-01-100-12W6	WE	16-01-100-12W6	PEDIGREE	60	60					90	30	20	10	90		
Low	2-2	7545-49	11-32-100-12W6	WE	14-32-100-12W6	PEDIGREE	60	60					90	30	20	10	90		
Low	2-2	10060-80	15-28-100-12W6	WE	16-28-100-12W6	PEDIGREE	90								20	10	90		
Low	2-2	2515-87	03-27-099-11W6	PL	06-27-099-11W6	PEDIGREE	60								20	10	90		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	2-2	16749-181	08-34-015-03W4	WE	02-34-015-03W4	MEDICINE HAT	60									80	15	90	
Low	2-2	49094-184	06-24-015-03W4	WE	14-24-015-03W4	MEDICINE HAT	90									40	15	90	
Low	2-2	3141-4	08-34-015-05W4	WE	08-34-015-05W4	MEDICINE HAT	60	60				4		90	30	20	10	90	
Low	2-2	5535-11	05-15-015-10W4	WE	06-15-015-10W4	ALDERSON	60	60						90	30	120	15	90	
Low	2-2	23398-7	16-08-015-10W4	WE	16-08-015-10W4	ALDERSON	60	60						90	30	40	10	90	
Low	2-2	10253-9	15-08-015-10W4	BE	16-08-015-10W4	ALDERSON										40	10	90	
Low	2-2	5414-535	15-28-015-11W4	WE	15-28-015-11W4	ALDERSON	90									20	10	90	
Low	2-2	833-537	10-28-015-11W4	WE	10-28-015-11W4	ALDERSON	60	60						90	30	20	10	90	
Low	2-2	1332-586	06-09-015-11W4	WE	11-09-015-11W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	7247-589	10-22-015-11W4	WE	08-22-015-11W4	ALDERSON	90									20	10	90	
Low	2-2	5331-595	05-36-015-11W4	WE	12-36-015-11W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	4414-601	10-31-015-11W4	WE	10-31-015-11W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	8246-701	12-11-015-11W4	WE	12-11-015-11W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	14704-2	13-23-015-16W4	BE	01-28-015-16W4	ENCHANT										80	20	90	
Low	2-2	30302-1	01-02-015-16W4	BE	01-02-015-16W4	ENCHANT										20	10	90	
Low	2-2	15715-9	01-08-015-27W4	WE	02-08-015-27W4	PARKLAND NORTHEAST	90									40	10	90	
Low	2-2	9444-82	02-02-014-04W4	WE	04-01-014-04W4	MEDICINE HAT	60	60				4		90	30	40	20	90	
Low	2-2	3625-85	10-02-014-04W4	WE	08-02-014-04W4	MEDICINE HAT	90							90		40	10	90	
Low	2-2	24414-12	10-33-014-07W4	BE	10-33-014-07W4	MEDICINE HAT										40	10	90	
Low	2-2	49294-3	13-31-014-07W4	BE	16-36-014-08W4	MEDICINE HAT										40	10	90	
Low	2-2	11901-6	16-36-014-08W4	BE	16-36-014-08W4	MEDICINE HAT										20	10	90	
Low	2-2	10018-230	12-04-014-09W4	WE	16-05-014-09W4	ALDERSON	90									20	10	90	
Low	2-2	11132-234	16-16-014-09W4	WE	10-16-014-09W4	ALDERSON	60	60						90	30	20	10	90	
Low	2-2	7792-238	03-33-014-09W4	WE	06-33-014-09W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	8488-252	12-08-014-09W4	WE	12-08-014-09W4	ALDERSON	90									20	10	90	
Low	2-2	4731-258	10-17-014-09W4	WE	10-17-014-09W4	ALDERSON	60	60						90	30	20	10	90	
Low	2-2	13775-262	12-20-014-09W4	WE	11-20-014-09W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	8209-266	11-04-014-09W4	WE	11-04-014-09W4	ALDERSON	60	60						90	30	20	10	90	
Low	2-2	5148-269	12-06-014-09W4	WE	06-06-014-09W4	ALDERSON	60									20	10	90	
Low	2-2	3478-272	11-28-014-09W4	WE	11-28-014-09W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	8766-314	10-07-014-09W4	WE	16-07-014-09W4	ALDERSON	90									40	10	90	
Low	2-2	5705-321	11-29-014-09W4	WE	06-29-014-09W4	ALDERSON	90									20	10	90	
Low	2-2	11549-330	11-28-014-09W4	PL	10-28-014-09W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	8246-640	03-06-014-10W4	WE	06-06-014-10W4	ALDERSON	90									20	10	90	
Low	2-2	2748-709	16-06-014-10W4	WE	16-06-014-10W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	13636-249	06-17-014-10W4	WE	06-17-014-10W4	ALDERSON	90									40	10	90	
Low	2-2	4035-250	08-18-014-10W4	WE	07-18-014-10W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	4452-251	06-23-014-10W4	WE	06-23-014-10W4	ALDERSON	90									20	10	90	
Low	2-2	13497-274	12-15-014-10W4	WE	10-15-014-10W4	ALDERSON	90									40	10	90	
Low	2-2	13080-278	16-21-014-10W4	WE	15-21-014-10W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	10018-281	02-09-014-10W4	WE	07-09-014-10W4	ALDERSON	90									20	10	90	
Low	2-2	6400-288	07-17-014-10W4	WE	07-17-014-10W4	ALDERSON	90									20	10	90	
Low	2-2	12245-289	02-15-014-10W4	WE	07-15-014-10W4	ALDERSON	90									20	10	90	
Low	2-2	3478-318	16-24-014-10W4	WE	16-24-014-10W4	ALDERSON	60	60						90	30	20	10	90	
Low	2-2	4870-329	07-18-014-10W4	PL	07-18-014-10W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	8163-549	07-11-014-11W4	WE	10-11-014-11W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	5497-559	11-27-014-11W4	WE	11-27-014-11W4	ALDERSON	90									20	10	90	
Low	2-2	833-560	12-21-014-11W4	WE	11-21-014-11W4	ALDERSON	90									40	10	90	
Low	2-2	7413-566	09-29-014-11W4	WE	16-29-014-11W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	7163-679	11-10-014-11W4	WE	06-10-014-11W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	3998-743	11-24-014-11W4	WE	06-24-014-11W4	ALDERSON	60									40	10	90	
Low	2-2	1332-776	14-25-014-11W4	PL	10-35-014-11W4	ALDERSON	60	60						60	60	80	20	90	
Low	2-2	35765-1	01-16-014-15W4	BE	01-16-014-15W4	ENCHANT										20	10	90	
Low	2-2	6259-17	07-20-014-16W4	PL	10-20-014-16W4	ENCHANT	60	60						90	30	20	10	90	
Low	2-2	3040-2	09-34-014-16W4	WE	12-35-014-16W4	ENCHANT	90									40	10	90	
Low	2-2	3711-12	13-31-014-26W4	PL	13-31-014-26W4	PARKLAND NORTHEAST	90									20	10	90	
Low	2-2	4853-20	03-07-014-26W4	BE	16-01-014-27W4	CLARESHOLM										60	15	90	
Low	2-2	22269-10	10-36-014-27W4	WE	10-36-014-27W4	PARKLAND NORTHEAST	90									40	10	90	
Low	2-2	25587-12	03-35-014-27W4	WE	03-35-014-27W4	PARKLAND NORTHEAST	60									40	10	90	
Low	2-2	16404-1	14-17-014-27W4	PL	14-17-014-27W4	PEACOCK	60	60						90	30	20	10	90	
Low	2-2	17411-1	07-11-014-27W4	WE	02-11-014-27W4	PEACOCK	60									20	10	90	
Low	2-2	786-1	14-12-013-01W4	WE	14-12-013-01W4	MEDICINE HAT	60	60				4		90	30	20	10	90	
Low	2-2	2721-40	02-13-013-01W4	WE	08-13-013-01W4	MEDICINE HAT	90									40	10	90	
Low	2-2	6413-47	05-13-013-01W4	PL	08-14-013-01W4	MEDICINE HAT	90									20	10	90	
Low	2-2	8163-48	05-13-013-01W4	PL	05-13-013-01W4	MEDICINE HAT	90									20	10	90	
Low	2-2	36403-4	16-10-013-01W4	WE	15-10-013-01W4	MEDICINE HAT	90									40	10	90	
Low	2-2	15537-5	12-12-013-01W4	WE	11-12-013-01W4	MEDICINE HAT	60									40	10	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	2-2	24860-13	06-11-013-01W4	WE	11-11-013-01W4	MEDICINE HAT	90									40	10	90	
Low	2-2	11948-8	08-36-013-02W4	WE	10-36-013-02W4	MEDICINE HAT	60	60								20	10	90	
Low	2-2	7534-151	10-20-013-03W4	WE	07-20-013-03W4	MEDICINE HAT	60	60						90	60	80	15	90	
Low	2-2	8460-155	12-20-013-03W4	WE	10-20-013-03W4	MEDICINE HAT	60	60						90	60	80	15	90	
Low	2-2	8327-183	08-17-013-03W4	WE	10-17-013-03W4	MEDICINE HAT	60									80	15	90	
Low	2-2	1454-185	02-21-013-03W4	WE	05-21-013-03W4	MEDICINE HAT	60	60				4		90	30	40	15	90	
Low	2-2	10046-218	15-19-013-03W4	WE	16-19-013-03W4	MEDICINE HAT	90									40	10	90	
Low	2-2	7822-79	02-34-013-04W4	WE	10-27-013-04W4	MEDICINE HAT	60	60						90	60	80	15	90	
Low	2-2	7155-88	16-26-013-04W4	PL	16-26-013-04W4	MEDICINE HAT	60									20	10	90	
Low	2-2	8592-77	14-15-013-04W4	WE	10-15-013-04W4	MEDICINE HAT	60	60				4		90	30	20	10	90	
Low	2-2	1850-96	06-12-013-04W4	WE	11-12-013-04W4	MEDICINE HAT	60	60				4		90	30	20	10	90	
Low	2-2	2115-178	02-10-013-04W4	WE	08-10-013-04W4	MEDICINE HAT	90									80	15	90	
Low	2-2	6873-199	11-35-013-04W4	WE	14-35-013-04W4	MEDICINE HAT	90									60	15	90	
Low	2-2	4487-75	08-06-013-07W4	WE	08-06-013-07W4	MEDICINE HAT	60									20	10	90	
Low	2-2	2504-309	13-33-013-09W4	WE	16-32-013-09W4	ALDERSON	90									40	10	90	
Low	2-2	1082-698	04-32-013-10W4	WE	04-32-013-10W4	ALDERSON	90									40	10	90	
Low	2-2	12245-226	16-34-013-10W4	WE	16-34-013-10W4	ALDERSON	60	60				4		90	30	20	10	90	
Low	2-2	33683-17	14-14-013-10W4	WE	04-23-013-10W4	ALDERSON	90									40	10	90	
Low	2-2	22039-33	14-32-013-10W4	BE	10-32-013-10W4	ALDERSON										20	10	90	
Low	2-2	5885-24	13-06-013-12W4	WE	16-01-013-13W4	DEMAY	90									40	10	90	
Low	2-2	4449-4	10-05-013-13W4	WE	07-05-013-13W4	GRAND FORKS	60									20	10	90	
Low	2-2	11496-8	04-19-013-14W4	WE	16-13-013-15W4	HAYS	60									40	10	90	
Low	2-2	16839-31	07-16-013-15W4	BE	06-16-013-15W4	ENCHANT										40	10	90	
Low	2-2	11937-16	05-06-013-15W4	PL	06-06-013-15W4	ENCHANT										40	15	90	
Low	2-2	30941-1	11-11-013-15W4	WE	11-11-013-15W4	HAYS	90									40	10	90	
Low	2-2	11936-1	11-11-013-15W4	BE	14-11-013-15W4	HAYS										20	10	90	
Low	2-2	34294-2	04-12-013-15W4	B	04-12-013-15W4	HAYS	90									40	10	90	
Low	2-2	22382-1	06-21-013-16W4	BE	06-21-013-16W4	ENCHANT										40	10	90	
Low	2-2	8664-22	14-15-013-16W4	WE	14-15-013-16W4	ENCHANT	90									40	10	90	
Low	2-2	23104-23	14-15-013-16W4	WE	14-15-013-16W4	ENCHANT	90									40	10	90	
Low	2-2	30384-16	16-29-013-27W4	WE	16-29-013-27W4	PEACOCK	90									20	10	90	
Low	2-2	14315-5	08-23-012-07W4	PL	09-23-012-07W4	MEDICINE HAT	60	60				4		90	30	20	10	90	
Low	2-2	9713-88	06-14-012-08W4	BE	05-14-012-08W4	MEDICINE HAT										20	10	90	
Low	2-2	16624-186	16-14-012-08W4	BE	08-23-012-08W4	MEDICINE HAT										60	15	90	
Low	2-2	9713-384	06-23-012-08W4	BE	03-23-012-08W4	MEDICINE HAT										20	10	90	
Low	2-2	18305-130	06-34-012-09W4	BE	16-34-012-09W4	MEDICINE HAT										80	20	90	
Low	2-2	9339-140	11-13-012-09W4	BE	08-13-012-09W4	BOW ISLAND										60	15	90	
Low	2-2	5230-192	16-13-012-09W4	BE	16-13-012-09W4	BOW ISLAND										20	10	90	
Low	2-2	5043-197	16-34-012-09W4	BE	16-34-012-09W4	BOW ISLAND										20	10	90	
Low	2-2	5601-1	03-29-012-10W4	WE	03-29-012-10W4	BOW ISLAND	90									40	10	90	
Low	2-2	2302-57	02-06-012-13W4	BE	16-31-011-13W4	GRAND FORKS										80	15	90	
Low	2-2	3184-1	14-25-012-13W4	BE	13-25-012-13W4	RONALANE										40	10	90	
Low	2-2	13977-2	03-36-012-13W4	BE	13-25-012-13W4	RONALANE										40	10	90	
Low	2-2	10438-3	13-25-012-13W4	BE	16-26-012-13W4	RONALANE										40	10	90	
Low	2-2	15039-4	13-25-012-13W4	BE	16-26-012-13W4	RONALANE										40	10	90	
Low	2-2	6530-3	01-14-012-14W4	BE	13-12-012-14W4	GRAND FORKS										80	15	90	
Low	2-2	9168-4	04-13-012-14W4	BE	13-12-012-14W4	GRAND FORKS										40	10	90	
Low	2-2	9857-7	07-36-012-14W4	WE	10-36-012-14W4	GRAND FORKS	90									40	10	90	
Low	2-2	16760-1	01-36-012-14W4	BE	02-36-012-14W4	GRAND FORKS										40	10	90	
Low	2-2	32643-1	08-12-012-18W4	BE	07-12-012-18W4	RETLAW										20	10	90	
Low	2-2	23771-46	08-16-012-27W4	WE	09-16-012-27W4	EASTMONT	60									40	10	90	
Low	2-2	17085-47	06-22-012-27W4	WE	07-22-012-27W4	EASTMONT	90									40	10	90	
Low	2-2	12618-62	03-04-012-28W4	WE	03-04-012-28W4	MONTGOMERY	90									20	10	90	
Low	2-2	3375-72	14-35-011-07W4	WE	14-35-011-07W4	MEDICINE HAT	60	60				4		90	30	20	10	90	
Low	2-2	10647-31	06-29-011-08W4	BE	08-29-011-08W4	MEDICINE HAT										80	20	90	
Low	2-2	11394-62	06-26-011-08W4	BE	14-27-011-08W4	MEDICINE HAT										80	20	90	
Low	2-2	18118-283	14-22-011-08W4	WE	14-22-011-08W4	MEDICINE HAT	60	60				4		90	30	20	10	90	
Low	2-2	22701-58	11-25-011-11W4	BE	10-25-011-11W4	BOW ISLAND										40	10	90	
Low	2-2	2118-18	08-35-011-14W4	WE	07-35-011-14W4	GRAND FORKS	90									20	10	90	
Low	2-2	5302-12	12-11-011-16W4	WE	12-11-011-16W4	TABER NORTH										40	10	90	
Low	2-2	13101-37	06-17-011-16W4	BE	07-17-011-16W4	TABER NORTH										40	10	90	
Low	2-2	4711-28	10-01-011-16W4	WE	06-01-011-16W4	TABER NORTH	90									40	10	90	
Low	2-2	3443-29	10-01-011-16W4	WE	06-01-011-16W4	TABER NORTH	60	60				10		90	30	40	10	90	
Low	2-2	12323-29	03-07-011-16W4	BE	15-06-011-16W4	TABER NORTH										120	15	90	
Low	2-2	12122-4	07-18-011-16W4	BE	07-18-011-16W4	TABER NORTH										20	10	90	
Low	2-2	17145-25	13-02-011-16W4	PL	13-02-011-16W4	TABER NORTH	60									40	10	90	
Low	2-2	11417-8	12-13-011-17W4	BE	12-13-011-17W4	RETLAW										40	10	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	2-2	17398-69	15-14-011-17W4	BE	09-14-011-17W4	RETRAW										40	10	90	
Low	2-2	18392-5	05-13-011-17W4	BE	08-14-011-17W4	RETRAW										20	10	90	
Low	2-2	24222-13	05-07-011-17W4	WE	05-07-011-17W4	RETRAW	60									40	10	90	
Low	2-2	35258-3	12-14-011-17W4	BE	12-14-011-17W4	RETRAW										40	10	90	
Low	2-2	42882-9	09-14-011-17W4	BE	12-13-011-17W4	RETRAW										80	15	90	
Low	2-2	33412-9	16-06-011-18W4	BE	13-05-011-18W4	RETRAW										20	10	90	
Low	2-2	13179-59	11-25-011-26W4	WE	10-25-011-26W4	GRANUM	90									40	10	90	
Low	2-2	22713-53	06-16-011-27W4	WE	02-16-011-27W4	EASTMONT	60									40	10	90	
Low	2-2	15983-84	14-34-011-27W4	PL	02-03-012-27W4	EASTMONT	60									20	10	90	
Low	2-2	14036-27	13-25-010-16W4	WE	13-25-010-16W4	TABER	60									40	10	90	
Low	2-2	15089-46	16-35-010-16W4	WE	16-35-010-16W4	TABER NORTH	90									40	10	90	
Low	2-2	23053-5	12-20-010-16W4	WE	11-20-010-16W4	TABER NORTH	60									40	10	90	
Low	2-2	4425-21	05-07-010-16W4	WE	05-07-010-16W4	TABER	60	60						90	30	40	10	90	
Low	2-2	21893-14	16-26-010-16W4	BE	16-26-010-16W4	TABER NORTH										40	10	90	
Low	2-2	7649-16	12-25-010-16W4	BE	13-25-010-16W4	TABER										40	10	90	
Low	2-2	3543-137	11-15-010-17W4	BE	11-15-010-17W4	TABER NORTH										40	10	90	
Low	2-2	1485-205	06-23-010-17W4	PL	06-23-010-17W4	TABER	90									40	10	90	
Low	2-2	7086-212	08-16-010-17W4	WE	08-16-010-17W4	TABER NORTH	90									40	10	90	
Low	2-2	8321-17	02-20-010-18W4	BE	06-20-010-18W4	RETRAW										40	10	90	
Low	2-2	6452-1	06-28-010-18W4	WE	11-28-010-18W4	RETRAW	60									40	10	90	
Low	2-2	25428-1	14-30-010-18W4	B	14-30-010-18W4	RETRAW	90									40	10	90	
Low	2-2	10200-12	01-32-009-16W4	BE	08-32-009-16W4	TABER										40	10	90	
Low	2-2	12144-13	08-32-009-16W4	BE	12-33-009-16W4	TABER										80	15	90	
Low	2-2	1516-20	14-05-009-16W4	BE	14-05-009-16W4	TABER										40	10	90	
Low	2-2	1586-70	14-19-009-16W4	PL	14-19-009-16W4	TABER	60	60				9				40	10	90	
Low	2-2	12550-196	05-20-009-16W4	PL	12-20-009-16W4	TABER	60	60						90	30	40	10	90	
Low	2-2	18832-2	04-16-009-16W4	BE	06-16-009-16W4	TABER										80	15	90	
Low	2-2	16195-5	16-08-009-16W4	BE	06-16-009-16W4	TABER										80	20	90	
Low	2-2	30197-2	09-18-009-16W4	BE	14-14-009-17W4	TABER										40	20	90	
Low	2-2	18318-34	01-16-009-17W4	PL	01-16-009-17W4	TABER	60									40	10	90	
Low	2-2	7059-1	14-14-009-17W4	BE	15-15-009-17W4	TABER										40	20	90	
Low	2-2	12921-23	13-28-008-11W4	WE	16-29-008-11W4	FORTY MILE	60									40	10	90	
Low	2-2	3105-220	16-32-008-16W4	BE	16-32-008-16W4	TABER SOUTH										40	10	90	
Low	2-2	9340-1	06-19-008-16W4	WE	03-19-008-16W4	TABER	60									40	10	90	
Low	2-2	13793-59	07-10-007-16W4	WE	08-10-007-16W4	TABER SOUTH	90									40	10	90	
Low	2-2	9392-406	07-30-007-16W4	PL	07-30-007-16W4	TABER SOUTH	60	60								40	10	90	
Low	2-2	23546-105	09-14-006-17W4	WE	08-14-006-17W4	TBC	90									40	10	90	
Low	2-2	23682-21	16-28-005-12W4	PL	01-33-005-12W4	SMITH COULEE	90									20	10	90	
Low	2-2	41486-10	15-25-005-17W4	WE	15-25-005-17W4	WRENTHAM	60	60				4				40	10	90	
Low	2-2	10581-1	07-30-003-07W4	WE	07-30-003-07W4	PENDANT D'OREILLE	60							90	30	40	10	90	
Low	2-2	23075-30	04-19-002-11W4	WE	14-18-002-11W4	KNAPPEN	90									20	10	90	
Low	2-2	5127-35	15-10-002-11W4	WE	02-15-002-11W4	KNAPPEN	60									20	10	90	
Low	2-2	11721-11	09-11-002-12W4	WE	08-11-002-12W4	PHILP	90									20	10	90	
		0-																	
Low	2-1	24276-2	08-31-098-07W6	BE	05-32-098-07W6	CHINCHAGA										80	10	90	
Low	2-1	14136-1	14-29-096-11W6	BE	11-29-096-11W6	HAMBURG										20	10	90	
Low	2-1	20286-4	07-21-087-07W5	WE	06-21-087-07W5	RED EARTH	90									40	10	90	
Low	2-1	34606-25	10-20-087-07W5	BE	09-20-087-07W5	RED EARTH										40	10	90	
Low	2-1	4846-3	01-18-039-07W5	BE	01-18-039-07W5	FERRIER										20	10	90	
Low	2-1	17744-1	08-19-039-07W5	BE	10-19-039-07W5	FERRIER										40	15	90	
Low	2-1	47209-66	12-16-039-07W5	PL	12-16-039-07W5	FERRIER										20	10	90	
Low	2-1	14050-69	10-30-039-07W5	PL	10-30-039-07W5	FERRIER										20	10	90	
Low	2-1	23142-43	02-01-039-07W5	BE	01-01-039-07W5	FERRIER										40	10	90	
Low	2-1	13546-83	06-21-039-07W5	BE	06-21-039-07W5	FERRIER										40	10	90	
Low	2-1	24835-84	06-21-039-07W5	BE	06-21-039-07W5	FERRIER										40	10	90	
Low	2-1	24835-85	06-21-039-07W5	BE	06-21-039-07W5	FERRIER										40	10	90	
Low	2-1	53622-104	07-01-039-07W5	BE	01-01-039-07W5	FERRIER										80	15	90	
Low	2-1	29915-119	05-32-039-07W5	WE	05-32-039-07W5	FERRIER	90									40	10	90	
Low	2-1	5705-11	08-28-039-08W5	BE	08-28-039-08W5	FERRIER										40	10	90	
Low	2-1	2676-4	06-36-039-22W4	BE	06-36-039-22W4	NEVIS										40	10	90	
Low	2-1	12377-2	13-24-038-07W5	BE	13-24-038-07W5	FERRIER										40	10	90	
Low	2-1	17255-30	02-34-038-07W5	WE	02-34-038-07W5	Everdell - 3rd Party	60									40	10	90	
Low	2-1	2813-42	15-22-038-07W5	WE	15-22-038-07W5	FERRIER	90									40	10	90	
Low	2-1	21386-4	03-15-038-07W5	WE	02-15-038-07W5	Everdell - 3rd Party	90									40	10	90	
Low	2-1	15174-12	12-26-038-07W5	WE	11-26-038-07W5	FERRIER	60									40	10	90	
Low	2-1	25853-13	06-35-038-07W5	WE	06-35-038-07W5	FERRIER	60	60						90	30	40	10	90	
Low	2-1	10678-14	11-26-038-07W5	PL	10-26-038-07W5	FERRIER	60	60								40	10	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/Slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	2-1	48334-16	13-35-038-07W5	WE	06-35-038-07W5	FERRIER	60	60				4		90	30	80	15	90
Low	2-1	26415-22	02-26-038-07W5	BE	10-26-038-07W5	FERRIER										80	15	90
Low	2-1	29225-24	02-26-038-07W5	BE	10-26-038-07W5	FERRIER										80	15	90
Low	2-1	8430-26	02-26-038-07W5	PL	02-26-038-07W5	FERRIER	60	60						90	30	40	10	90
Low	2-1	24729-27	02-26-038-07W5	PL	02-26-038-07W5	FERRIER	90									40	10	90
Low	2-1	50026-15	01-17-038-07W5	BE	08-17-038-07W5	FERRIER										80	15	90
Low	2-1	55646-18	03-16-038-07W5	WE	07-16-038-07W5	FERRIER	60	60				4		90	30	80	15	90
Low	2-1	6745-19	05-17-038-07W5	PL	05-17-038-07W5	FERRIER	60	60				4		90	30	40	10	90
Low	2-1	18679-23	01-25-038-08W5	WE	01-25-038-08W5	FERRIER	60	60				17		90	30	40	10	90
Low	2-1	24318-27	06-19-037-26W4	BE	06-19-037-26W4	JOFFRE										40	10	90
Low	2-1	12448-37	06-30-037-26W4	BE	03-30-037-26W4	JOFFRE										40	10	90
Low	2-1	8820-1	12-32-035-09W4	WE	12-32-035-09W4	PROVOST	60	60				4		90	30	20	10	90
Low	2-1	7331-2	12-32-035-09W4	MS	14-32-035-09W4	PROVOST	60	60						90	30	20	10	90
Low	2-1	4922-111	15-22-034-12W4	WE	14-22-034-12W4	GARDEN PLAINS	90									40	10	90
Low	2-1	12161-128	13-12-034-12W4	WE	16-11-034-12W4	GARDEN PLAINS	90									40	10	90
Low	2-1	14767-122	08-14-034-13W4	WE	08-14-034-13W4	GARDEN PLAINS	90									40	10	90
Low	2-1	23029-112	01-16-033-12W4	WE	08-16-033-12W4	GARDEN PLAINS	90									40	10	90
Low	2-1	8374-116	14-27-033-12W4	WE	14-27-033-12W4	GARDEN PLAINS	90									40	10	90
Low	2-1	5383-147	01-20-033-12W4	WE	01-20-033-12W4	GARDEN PLAINS	90									40	10	90
Low	2-1	3289-175	08-22-033-12W4	WE	08-22-033-12W4	GARDEN PLAINS	90									40	10	90
Low	2-1	28230-165	14-11-033-12W4	PL	13-11-033-12W4	GARDEN PLAINS	90									20	10	90
Low	2-1	6949-120	11-35-033-13W4	WE	11-35-033-13W4	GARDEN PLAINS	90									40	10	90
Low	2-1	13487-112	12-30-033-13W4	WE	06-30-033-13W4	SULLIVAN LAKE	60	60						90	30	40	10	90
Low	2-1	16938-160	14-28-033-13W4	PL	14-28-033-13W4	GARDEN PLAINS	90									20	10	90
Low	2-1	6587-200	04-24-033-14W4	WE	03-24-033-14W4	HANNA	90									40	10	90
Low	2-1	9096-220	16-17-033-14W4	WE	13-16-033-14W4	HANNA	90									40	10	90
Low	2-1	1797-1	16-06-033-24W4	BE	08-06-033-24W4	TWINING										120	15	90
Low	2-1	1168-2	08-06-033-24W4	BE	08-06-033-24W4	TWINING										40	10	90
Low	2-1	15411-3	04-07-033-24W4	BE	16-01-033-25W4	TWINING										40	10	90
Low	2-1	3252-1	08-13-033-25W4	BE	16-12-033-25W4	TWINING										120	15	90
Low	2-1	7216-4	16-12-033-25W4	BE	16-12-033-25W4	TWINING										40	10	90
Low	2-1	9554-5	14-12-033-25W4	BE	16-12-033-25W4	TWINING										80	15	90
Low	2-1	7333-3	14-03-033-25W4	WE	06-03-033-25W4	TWINING	60	60						90	30	80	15	90
Low	2-1	25100-1	14-01-033-25W4	BE	16-01-033-25W4	TWINING										120	15	90
Low	2-1	22311-2	16-01-033-25W4	BE	16-01-033-25W4	TWINING										40	10	90
Low	2-1	12677-3	06-01-033-25W4	BE	16-01-033-25W4	TWINING										120	15	90
Low	2-1	21576-6	05-24-033-25W4	BE	04-24-033-25W4	TWINING										40	10	90
Low	2-1	24779-134	14-11-032-14W4	WE	14-11-032-14W4	HANNA	90									40	10	90
Low	2-1	22270-140	13-26-032-14W4	WE	16-27-032-14W4	HANNA	60									40	10	90
Low	2-1	7528-161	08-31-032-14W4	PL	01-31-032-14W4	HANNA	90									20	10	90
Low	2-1	11605-178	07-14-032-14W4	WE	07-14-032-14W4	HANNA	90									40	10	90
Low	2-1	2834-18	06-31-032-24W4	BE	06-31-032-24W4	TWINING										40	10	90
Low	2-1	5782-2	03-31-032-24W4	PL	06-30-032-24W4	TWINING										40	15	90
Low	2-1	1175-4	14-31-032-24W4	BE	06-31-032-24W4	TWINING										120	15	90
Low	2-1	8537-1	12-10-032-24W4	BE	05-10-032-24W4	TWINING										80	15	90
Low	2-1	8436-3	07-10-032-24W4	BE	05-10-032-24W4	TWINING										40	15	90
Low	2-1	16202-2	08-06-032-24W4	BE	08-06-032-24W4	TWINING										40	10	90
Low	2-1	14802-3	16-06-032-24W4	BE	16-06-032-24W4	TWINING										40	10	90
Low	2-1	26433-8	04-09-031-06W4	PL	13-04-031-06W4	SEDALIA	60									20	10	90
Low	2-1	20637-165	14-29-031-14W4	WE	03-32-031-14W4	HANNA	90									40	10	90
Low	2-1	6321-6	06-01-031-17W4	BE	06-01-031-17W4	MICHICI										40	10	90
Low	2-1	6224-6	10-14-031-24W4	BE	11-14-031-24W4	TWINING										40	10	90
Low	2-1	3714-6	03-28-031-24W4	BE	14-28-031-24W4	TWINING										40	10	90
Low	2-1	35288-1	01-06-028-08W4	WE	01-06-028-08W4	HEATHDALE	90									40	10	90
Low	2-1	41572-3	03-06-028-08W4	B	07-06-028-08W4	HEATHDALE	90									40	10	90
Low	2-1	19958-1	14-19-028-18W4	WE	14-19-028-18W4	WAYNE-ROSEDALE	90									20	10	90
Low	2-1	18744-6	08-25-028-18W4	WE	09-25-028-18W4	WAYNE-ROSEDALE	90									20	10	90
Low	2-1	25795-2	07-36-027-12W4	BE	02-36-027-12W4	BERRY										40	10	90
Low	2-1	39307-3	06-36-027-12W4	BE	02-36-027-12W4	BERRY										40	10	90
Low	2-1	31354-8	08-31-027-17W4	WE	08-31-027-17W4	CESSFORD	90									40	10	90
Low	2-1	6508-1	12-36-027-18W4	WE	12-36-027-18W4	WAYNE-ROSEDALE	90									40	10	90
Low	2-1	35709-10	04-34-027-18W4	WE	06-34-027-18W4	WAYNE-ROSEDALE	90									40	10	90
Low	2-1	34321-16	08-27-027-18W4	WE	08-27-027-18W4	WAYNE-ROSEDALE	90									40	10	90
Low	2-1	40686-3	03-04-026-12W4	WE	03-04-026-12W4	CESSFORD	60									40	10	90
Low	2-1	5897-58	05-10-026-12W4	WE	05-10-026-12W4	CESSFORD	60	60						90	30	40	10	90
Low	2-1	35972-71	11-02-026-12W4	WE	11-02-026-12W4	CESSFORD	60	60						90	30	40	10	90
Low	2-1	4475-87	10-34-026-18W4	BE	10-34-026-18W4	WAYNE-ROSEDALE										40	10	90

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	2-1	12453-93	05-34-026-18W4	BE	11-34-026-18W4	WAYNE-ROSEDALE											40	10	90
Low	2-1	15517-17	16-18-026-19W4	WE	16-18-026-19W4	WAYNE-ROSEDALE											20	10	90
Low	2-1	13448-11	06-25-026-20W4	BE	08-25-026-20W4	WAYNE-ROSEDALE											80	15	90
Low	2-1	0-367	16-23-025-13W4	WE	16-23-025-13W4	CESSFORD	90										40	10	90
Low	2-1	2621-22	01-34-025-13W4	WE	16-27-025-13W4	CESSFORD	90										40	10	90
Low	2-1	25562-1	14-34-025-16W4	PL	14-34-025-16W4	CONNORSVILLE	60	60					90	30		20	10	90	
Low	2-1	13317-91	07-29-024-10W4	WE	07-29-024-10W4	CESSFORD	60	60					90	30		40	10	90	
Low	2-1	2-429	12-04-024-11W4	WE	14-04-024-11W4	CESSFORD	90										40	10	90
Low	2-1	2-432	04-05-024-11W4	WE	06-05-024-11W4	CESSFORD	90										40	10	90
Low	2-1	2-436	04-06-024-11W4	WE	06-06-024-11W4	CESSFORD	90										40	10	90
Low	2-1	0-421	12-15-024-12W4	WE	14-15-024-12W4	CESSFORD	90										40	10	90
Low	2-1	1-449	10-10-024-12W4	WE	16-10-024-12W4	CESSFORD	90										40	10	90
Low	2-1	0-481	04-22-024-12W4	WE	06-22-024-12W4	CESSFORD	90										40	10	90
Low	2-1	1229-15	10-34-024-12W4	BE	11-34-024-12W4	CESSFORD											40	10	90
Low	2-1	9409-82	02-19-024-12W4	WE	08-19-024-12W4	CESSFORD	60										20	10	90
Low	2-1	6196-91	04-21-024-12W4	WE	06-21-024-12W4	CESSFORD	90										40	10	90
Low	2-1	10820-2	07-18-024-12W4	BE	08-18-024-12W4	CESSFORD											20	10	90
Low	2-1	2-395	01-13-024-13W4	WE	08-13-024-13W4	CESSFORD	90										40	10	90
Low	2-1	0-397	10-13-024-13W4	WE	16-13-024-13W4	CESSFORD	60	60					90	30		20	10	90	
Low	2-1	659-16	04-01-024-13W4	WE	06-01-024-13W4	CESSFORD	90										40	10	90
Low	2-1	6539-62	04-08-024-13W4	WE	06-08-024-13W4	CESSFORD	90										40	10	90
Low	2-1	19382-59	06-11-024-14W4	WE	06-11-024-14W4	MATZIWIN	60	60					90	30		20	10	90	
Low	2-1	25701-20	08-18-024-15W4	WE	08-18-024-15W4	WINTERING HILLS	60	60					90	30		40	10	90	
Low	2-1	22751-117	06-35-024-15W4	WE	12-35-024-15W4	WINTERING HILLS	90										40	10	90
Low	2-1	15302-109	04-16-023-12W4	WE	06-16-023-12W4	CESSFORD	90										40	10	90
Low	2-1	5954-98	16-14-023-12W4	PL	13-13-023-12W4	CESSFORD	90										20	10	90
Low	2-1	4242-67	04-08-023-13W4	WE	05-08-023-13W4	CESSFORD	60	60					90	30		20	10	90	
Low	2-1	15909-82	12-18-023-13W4	WE	06-18-023-13W4	CESSFORD	90										40	10	90
Low	2-1	19515-86	12-19-023-13W4	WE	06-19-023-13W4	CESSFORD	90										40	10	90
Low	2-1	7212-101	04-07-023-13W4	WE	06-07-023-13W4	MATZIWIN	60	60					90	30		20	10	90	
Low	2-1	8991-10	01-10-023-13W4	WE	01-10-023-13W4	VERGER	90										40	10	90
Low	2-1	21156-12	11-10-023-13W4	WE	11-10-023-13W4	CESSFORD	90										20	10	90
Low	2-1	21156-13	13-10-023-13W4	WE	13-10-023-13W4	CESSFORD	90										40	10	90
Low	2-1	15867-15	05-16-023-13W4	WE	06-16-023-13W4	CESSFORD	90										40	10	90
Low	2-1	24329-22	05-15-023-13W4	WE	06-15-023-13W4	CESSFORD	90										40	10	90
Low	2-1	37551-23	07-15-023-13W4	WE	07-15-023-13W4	CESSFORD	90										40	10	90
Low	2-1	39138-24	01-15-023-13W4	WE	01-15-023-13W4	CESSFORD	90										40	10	90
Low	2-1	36494-28	11-09-023-13W4	WE	14-09-023-13W4	CESSFORD	90										40	10	90
Low	2-1	33849-29	12-09-023-13W4	WE	12-09-023-13W4	CESSFORD	90										40	10	90
Low	2-1	49187-30	13-09-023-13W4	WE	14-09-023-13W4	CESSFORD	90										40	10	90
Low	2-1	48658-31	09-09-023-13W4	WE	09-09-023-13W4	CESSFORD	90										40	10	90
Low	2-1	39138-32	09-09-023-13W4	WE	10-09-023-13W4	CESSFORD	90										20	10	90
Low	2-1	25916-33	15-09-023-13W4	WE	15-09-023-13W4	CESSFORD	90										40	10	90
Low	2-1	32262-34	16-09-023-13W4	WE	16-09-023-13W4	CESSFORD	90										40	10	90
Low	2-1	19940-94	12-25-023-14W4	WE	06-25-023-14W4	MATZIWIN	90										40	10	90
Low	2-1	21949-7	10-08-023-14W4	WE	09-08-023-14W4	MATZIWIN	60	60					90	30		20	10	90	
Low	2-1	43321-8	07-08-023-14W4	PL	06-08-023-14W4	MATZIWIN	60	60					90	30		20	10	90	
Low	2-1	19062-1	04-07-023-14W4	WE	04-07-023-14W4	MATZIWIN	90										40	10	90
Low	2-1	55454-2	07-07-023-14W4	WE	07-07-023-14W4	MATZIWIN	60	60					90	30		20	10	90	
Low	2-1	7509-3	14-07-023-14W4	WE	14-07-023-14W4	MATZIWIN	90										40	10	90
Low	2-1	36392-1	16-07-023-14W4	WE	16-07-023-14W4	MATZIWIN	90										20	10	90
Low	2-1	15017-60	10-17-023-15W4	WE	10-17-023-15W4	VERGER	60	60					90	30		20	10	90	
Low	2-1	34078-63	12-16-023-15W4	WE	12-16-023-15W4	VERGER	60	60					90	30		20	10	90	
Low	2-1	23681-76	06-02-023-15W4	WE	06-02-023-15W4	VERGER	90										20	10	90
Low	2-1	28302-97	12-12-023-15W4	WE	12-12-023-15W4	VERGER	90										20	10	90
Low	2-1	49673-103	14-02-023-15W4	WE	15-02-023-15W4	VERGER	60	60					90	30		20	10	90	
Low	2-1	20216-107	15-09-023-15W4	WE	02-16-023-15W4	VERGER	90										40	10	90
Low	2-1	12707-114	14-15-023-15W4	WE	14-15-023-15W4	VERGER	90										40	10	90
Low	2-1	9819-116	14-16-023-15W4	WE	03-21-023-15W4	VERGER	60	60					90	30		20	10	90	
Low	2-1	44475-120	10-19-023-15W4	WE	10-19-023-15W4	VERGER	90										20	10	90
Low	2-1	7671-17	03-06-022-05W4	WE	14-31-021-05W4	BINDLOSS	60	60					90	30		20	10	90	
Low	2-1	29535-16	16-19-022-07W4	WE	13-20-022-07W4	ATLEE-BUFFALO	60	60					90	30		40	10	90	
Low	2-1	24948-23	14-23-022-09W4	BE	13-23-022-09W4	JENNER											40	10	90
Low	2-1	17433-25	04-28-022-09W4	WE	03-28-022-09W4	JENNER	90										40	10	90
Low	2-1	5410-29	16-21-022-09W4	WE	15-21-022-09W4	JENNER	90										40	10	90
Low	2-1	15507-70	06-20-022-11W4	PL	03-20-022-11W4	CESSFORD	60	60					90	30		20	10	90	
Low	2-1	9941-72	14-17-022-11W4	PL	15-17-022-11W4	CESSFORD	90										20	10	90

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	2-1	7320-17	06-03-022-11W4	WE	06-03-022-11W4	CESSFORD	90									40	10	90
Low	2-1	17084-39	10-19-022-12W4	WE	10-19-022-12W4	CESSFORD	90									20	10	90
Low	2-1	18308-6	01-27-022-12W4	WE	01-27-022-12W4	CESSFORD	90									40	10	90
Low	2-1	22492-16	07-32-022-12W4	WE	10-32-022-12W4	CESSFORD	90									20	10	90
Low	2-1	11010-246	16-33-022-13W4	WE	16-33-022-13W4	VERGER	90									40	10	90
Low	2-1	28822-251	06-32-022-13W4	WE	06-32-022-13W4	VERGER	90									40	10	90
Low	2-1	9491-63	02-20-022-13W4	WE	15-17-022-13W4	VERGER	90									40	10	90
Low	2-1	47601-2	03-27-022-13W4	WE	06-27-022-13W4	VERGER	90									20	10	90
Low	2-1	18511-9	08-27-022-13W4	WE	08-27-022-13W4	VERGER	90									40	10	90
Low	2-1	53139-89	10-26-022-15W4	WE	09-26-022-15W4	VERGER	60	60			4		90	30	20	10	90	
Low	2-1	25992-92	09-34-022-15W4	WE	09-34-022-15W4	VERGER	60	60			4		90	30	20	10	90	
Low	2-1	57760-93	08-35-022-15W4	WE	08-35-022-15W4	VERGER	90								20	10	90	
Low	2-1	21371-96	04-36-022-15W4	WE	04-36-022-15W4	VERGER	60	60			4		90	30	20	10	90	
Low	2-1	6790-14	14-03-021-05W4	BE	10-30-021-05W4	ATLEE-BUFFALO									40	10	90	
Low	2-1	2695-210	05-04-020-01W4	PL	08-05-020-01W4	MEDICINE HAT	90								20	10	90	
Low	2-1	55656-1	02-33-020-03W5	BE	02-33-020-03W5	TURNER VALLEY									20	10	90	
Low	2-1	15741-2	02-33-020-03W5	BE	07-33-020-03W5	TURNER VALLEY									20	10	90	
Low	2-1	55094-18	08-22-020-03W5	BE	01-22-020-03W5	TURNER VALLEY									20	10	90	
Low	2-1	23611-19	11-22-020-03W5	BE	11-22-020-03W5	TURNER VALLEY									20	10	90	
Low	2-1	7782-129	07-33-020-10W4	WE	07-33-020-10W4	PRINCESS	60	60			5		90	30	20	10	90	
Low	2-1	12126-6	07-10-020-10W4	PL	06-10-020-10W4	PRINCESS	60								20	10	90	
Low	2-1	23743-57	04-02-020-21W4	WE	04-02-020-21W4	QUEENSTOWN	60	60					90	30	40	10	90	
Low	2-1	7550-9	13-34-019-10W4	WE	14-34-019-10W4	PRINCESS	90								40	10	90	
Low	2-1	3427-208	08-30-019-12W4	WE	09-30-019-12W4	PRINCESS	60	60			4		90	30	20	10	90	
Low	2-1	7322-20	03-30-019-14W4	WE	04-30-019-14W4	BANTRY	90								40	10	90	
Low	2-1	3906-170	04-16-019-14W4	WE	06-16-019-14W4	BANTRY	90								40	10	90	
Low	2-1	4415-175	08-16-019-14W4	WE	08-16-019-14W4	BANTRY	90								20	10	90	
Low	2-1	2547-181	01-29-019-14W4	WE	16-20-019-14W4	BANTRY	90								40	10	90	
Low	2-1	10699-185	11-19-019-14W4	WE	10-19-019-14W4	BANTRY	60								40	10	90	
Low	2-1	21916-13	05-12-019-14W4	BE	05-12-019-14W4	BANTRY	90								20	10	90	
Low	2-1	15723-65	15-29-019-14W4	WE	15-29-019-14W4	BANTRY	90								40	10	90	
Low	2-1	45628-175	10-31-019-14W4	WE	15-31-019-14W4	COUNTESS	60	60			4		90	30	20	10	90	
Low	2-1	24257-186	05-32-019-14W4	WE	06-32-019-14W4	BANTRY	60	60			4		90	30	20	10	90	
Low	2-1	39274-222	08-23-019-14W4	WE	08-23-019-14W4	BANTRY	90								20	10	90	
Low	2-1	10973-227	13-23-019-14W4	WE	14-23-019-14W4	BANTRY	90								20	10	90	
Low	2-1	17327-242	12-34-019-14W4	WE	11-34-019-14W4	BANTRY	90								40	10	90	
Low	2-1	50248-250	03-21-019-14W4	WE	02-21-019-14W4	BANTRY	90								40	10	90	
Low	2-1	34654-253	15-21-019-14W4	WE	15-21-019-14W4	BANTRY	90								40	10	90	
Low	2-1	5054-28	08-14-018-02W4	WE	08-14-018-02W4	MEDICINE HAT	60	60					90	30	20	10	90	
Low	2-1	1212-73	16-12-018-12W4	WE	16-12-018-12W4	ALDERSON	90								40	10	90	
Low	2-1	15718-5	08-10-018-14W4	WE	09-10-018-14W4	NEWELL	60	60			4		90	30	20	10	90	
Low	2-1	5395-193	06-31-017-02W4	WE	06-31-017-02W4	MEDICINE HAT	90								20	10	90	
Low	2-1	17327-63	06-08-016-02W4	WE	03-08-016-02W4	MEDICINE HAT	60	60			4		90	30	20	10	90	
Low	2-1	28879-84	16-06-016-02W4	WE	16-06-016-02W4	MEDICINE HAT	60	60			4		90	30	20	10	90	
Low	2-1	41008-160	04-21-016-02W4	WE	14-16-016-02W4	MEDICINE HAT	90								40	10	90	
Low	2-1	50827-165	02-08-016-02W4	WE	02-08-016-02W4	MEDICINE HAT	90								40	10	90	
Low	2-1	54005-13	15-21-016-09W4	BE	16-21-016-09W4	ALDERSON									20	10	90	
Low	2-1	42740-79	14-17-015-02W4	WE	11-17-015-02W4	MEDICINE HAT	90								40	10	90	
Low	2-1	10974-86	06-31-015-02W4	WE	07-31-015-02W4	MEDICINE HAT	60	60					90	30	20	10	90	
Low	2-1	42163-97	08-18-015-02W4	WE	09-18-015-02W4	MEDICINE HAT	90								20	10	90	
Low	2-1	34654-169	08-32-015-02W4	WE	07-32-015-02W4	MEDICINE HAT	90								40	10	90	
Low	2-1	9241-170	10-29-015-02W4	WE	15-29-015-02W4	MEDICINE HAT	60	60			4		90	30	20	10	90	
Low	2-1	13861-192	06-29-015-02W4	WE	06-29-015-02W4	MEDICINE HAT	90								20	10	90	
Low	2-1	21370-203	10-18-015-02W4	WE	10-18-015-02W4	MEDICINE HAT	90								20	10	90	
Low	2-1	30034-107	14-13-015-03W4	WE	14-13-015-03W4	MEDICINE HAT	60	60			4		90	30	20	10	90	
Low	2-1	45628-114	16-23-015-03W4	WE	16-23-015-03W4	MEDICINE HAT	90								40	10	90	
Low	2-1	6353-123	16-34-015-03W4	WE	15-34-015-03W4	MEDICINE HAT	60	60			4		90	30	20	10	90	
Low	2-1	33499-172	09-25-015-03W4	WE	10-25-015-03W4	MEDICINE HAT	90								20	10	90	
Low	2-1	32922-178	16-27-015-03W4	WE	09-27-015-03W4	MEDICINE HAT	90								40	10	90	
Low	2-1	1454-196	16-03-014-04W4	WE	10-03-014-04W4	MEDICINE HAT	90								40	10	90	
Low	2-1	15937-26	04-14-013-01W4	WE	08-15-013-01W4	MEDICINE HAT	60								40	10	90	
Low	2-1	10495-31	12-24-013-01W4	WE	11-24-013-01W4	MEDICINE HAT	60	60					90	30	40	10	90	
Low	2-1	12827-34	02-24-013-01W4	WE	03-24-013-01W4	MEDICINE HAT	60	60					90	30	40	10	90	
Low	2-1	3040-139	08-19-013-03W4	WE	08-19-013-03W4	MEDICINE HAT	60								40	10	90	
Low	2-1	6741-144	14-21-013-03W4	WE	14-21-013-03W4	MEDICINE HAT	60								40	10	90	
Low	2-1	6296-57	16-10-013-04W4	WE	09-10-013-04W4	MEDICINE HAT	60								20	10	90	
Low	2-1	1049-71	02-35-013-04W4	WE	02-35-013-04W4	MEDICINE HAT	60	60					90	30	40	10	90	

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	2-1	1144-74	12-25-013-04W4	WE	05-25-013-04W4	MEDICINE HAT	90									40	10	90	
Low	2-1	6105-78	16-27-013-04W4	WE	15-27-013-04W4	MEDICINE HAT	60	60								40	10	90	
Low	2-1	11764-135	04-24-013-04W4	WE	03-24-013-04W4	MEDICINE HAT	60	60						90	30	40	10	90	
Low	2-1	10839-148	16-02-013-04W4	WE	16-02-013-04W4	MEDICINE HAT	90									40	10	90	
Low	2-1	5287-168	04-25-013-04W4	WE	06-25-013-04W4	MEDICINE HAT	90									40	10	90	
Low	2-1	11500-198	01-35-013-04W4	WE	01-35-013-04W4	MEDICINE HAT	90									40	10	90	
Low	2-1	10971-209	14-24-013-04W4	PL	11-24-013-04W4	MEDICINE HAT	90									20	10	90	
Low	2-1	11959-14	08-03-013-07W4	WE	16-34-012-07W4	MEDICINE HAT	60	60						90	30	40	10	90	
Low	2-1	7284-172	16-18-012-08W4	BE	16-18-012-08W4	MEDICINE HAT										20	10	90	
Low	2-1	3922-163	16-27-011-08W4	BE	16-27-011-08W4	MEDICINE HAT										20	10	90	
Low	2-1	5977-164	16-28-011-08W4	BE	16-28-011-08W4	MEDICINE HAT										40	10	90	
Low	2-1	8277-4	08-17-007-16W4	WE	08-17-007-16W4	TABER SOUTH	60									40	10	90	
0-																			
Low	1-3	21808-2	13-01-101-13W6	PL	13-01-101-13W6	PEDIGREE	90					4				20			
Low	1-3	12513-3	13-01-101-13W6	PL	13-01-101-13W6	PEDIGREE	90					4				20			
Low	1-3	13736-1	07-02-100-12W6	PL	06-12-100-12W6	PEDIGREE	90					4				40			
Low	1-3	12323-77	04-28-099-11W6	WE	10-21-099-11W6	PEDIGREE	90					4				40			
Low	1-3	45778-2	09-07-078-08W6	WE	02-18-078-08W6	PROGRESS	90					4				40			
Low	1-3	13409-1	05-22-078-10W6	BE	03-22-078-10W6	PROGRESS										20			
Low	1-3	17457-10	03-20-078-11W5	S	16-21-078-11W5	GIFT	90									160			
Low	1-3	8707-6	10-24-078-11W6	WE	01-30-078-10W6	POUCE COUPE SOUTH	90					4				160			
Low	1-3	12794-17	08-29-078-11W6	PL	16-10-079-12W6	POUCE COUPE										80			
Low	1-3	14737-10	14-33-078-11W6	WE	15-32-078-11W6	POUCE COUPE SOUTH	90									80			
Low	1-3	13291-2	14-10-078-11W6	WE	10-10-078-11W6	POUCE COUPE SOUTH	90									80			
Low	1-3	19109-9	13-35-077-01W6	BE	02-03-078-01W6	CINDY						5				40			
Low	1-3	33481-7	10-28-077-02W5	WE	10-32-077-02W5	DOUCETTE	90									80			
Low	1-3	43849-15	02-02-077-08W6	PL	01-35-076-08W6	VALHALLA	90					4				40			
Low	1-3	10662-16	12-20-077-09W6	WE	14-20-077-09W6	PROGRESS	90					4				80			
Low	1-3	9348-5	07-17-077-09W6	B	16-17-077-09W6	PROGRESS	90									80			
Low	1-3	4059-6	16-11-077-10W6	WE	14-11-077-10W6	PROGRESS	90					4				40			
Low	1-3	35257-6	13-04-077-10W6	WE	13-04-077-10W6	POUCE COUPE SOUTH	90									20			
Low	1-3	9632-1	15-36-077-10W6	PL	02-01-078-10W6	PROGRESS										20			
Low	1-3	24295-7	10-07-077-23W4	BE	06-18-077-23W4	PELICAN										40			
Low	1-3	4404-31	14-25-077-26W5	BE	11-25-077-26W5	EAGLESHAM										20			
Low	1-3	39199-1	14-04-076-06W6	WE	10-09-076-06W6	RYCROFT	90									40			
Low	1-3	49182-11	02-02-076-06W6	S	05-36-075-06W6	RYCROFT	90					4				80			
Low	1-3	47979-21	14-26-076-10W6	PL	13-23-076-10W6	VALHALLA	90					5				40			
Low	1-3	9595-22	13-23-076-10W6	PL	11-14-076-10W6	VALHALLA	90					4				40			
Low	1-3	10035-64	10-14-076-13W4	PL	05-24-076-13W4	CLYDEN	90					4				40			
Low	1-3	10726-188	09-36-076-15W4	PL	15-36-076-15W4	DUNCAN	90					4				20			
Low	1-3	17697-26	10-07-076-23W4	BE	07-12-076-24W4	MARTEN HILLS										40			
Low	1-3	7222-10	08-19-075-01W5	PL	06-19-075-01W5	MARTEN HILLS	90					4				40			
Low	1-3	60485-1	06-19-075-01W5	CS	11-19-075-01W5	MARTEN HILLS										20			
Low	1-3	37733-9	13-25-075-06W6	WE	09-26-075-06W6	RYCROFT	90					15				80			
Low	1-3	16661-10	09-23-075-06W6	WE	12-25-075-06W6	RYCROFT	90					12				80			
Low	1-3	8654-13	15-28-075-07W6	BE	09-28-075-07W6	SADDLE HILLS										40			
Low	1-3	46616-1	09-04-075-08W4	PL	05-03-075-08W4	CAVALIER										40			
Low	1-3	43628-2	07-04-075-08W4	PL	10-04-075-08W4	CAVALIER										20			
Low	1-3	13745-3	10-04-075-08W4	PL	02-04-075-08W4	CAVALIER										40			
Low	1-3	22710-4	07-06-075-08W4	PL	07-06-075-08W4	CAVALIER										20			
Low	1-3	5976-6	09-06-075-08W4	PL	12-05-075-08W4	HUSSAR										20			
Low	1-3	19722-8	09-04-075-08W4	PL	13-03-075-08W4	HUSSAR										20			
Low	1-3	44226-9	07-06-075-08W4	PL	07-06-075-08W4	HUSSAR										20			
Low	1-3	11622-7	01-29-075-09W6	PL	01-29-075-09W6	VALHALLA	90					4				20			
Low	1-3	21132-27	01-29-075-09W6	CS	01-29-075-09W6	VALHALLA	90					4				20			
Low	1-3	21339-9	08-13-075-11W6	WE	08-13-075-11W6	VALHALLA	90					4				20			
Low	1-3	39538-25	10-28-075-12W4	BE	04-28-075-12W4	CLYDEN										40			
Low	1-3	18300-14	13-18-075-12W6	PL	05-24-075-13W6	SINCLAIR										40			
Low	1-3	19056-9	08-36-075-12W6	BE	09-36-075-12W6	SINCLAIR										20			
Low	1-3	9856-22	07-02-074-04W6	GP	07-01-074-05W6	TEEPPEE										80			
Low	1-3	3032-23	07-01-074-05W6	PL	11-04-074-05W6	WEBSTER										80			
Low	1-3	37137-1	02-01-074-06W6	BE	16-02-074-06W6	WEBSTER										40			
Low	1-3	23552-8	11-18-074-06W6	PL	10-17-074-06W6	LA GLACE	90					4				40			
Low	1-3	9335-37	06-10-074-13W4	BE	08-11-074-13W4	GROUSE										40			
Low	1-3	6090-52	07-21-074-17W4	BE	07-22-074-17W4	DUNCAN										80			
Low	1-3	20213-2	16-08-073-03W6	WE	16-08-073-03W6	TEEPPEE	90									20			
Low	1-3	35587-1	02-22-073-04W6	WE	07-22-073-04W6	TEEPPEE	90					5				20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-3	3723-12	16-03-073-06W6	WE	09-10-073-06W6	GRANDE PRAIRIE	90									80			
Low	1-3	23297-1	11-29-073-07W4	PL	13-21-073-07W4	KIRBY										40			
Low	1-3	39350-1	12-21-073-07W4	B	12-21-073-07W4	KIRBY										20			
Low	1-3	33421-3	12-21-073-07W4	PL	07-21-073-07W4	KIRBY										40			
Low	1-3	33960-4	12-21-073-07W4	PL	05-21-073-07W4	KIRBY										20			
Low	1-3	49053-5	11-21-073-07W4	PL	11-21-073-07W4	KIRBY										20			
Low	1-3	51748-6	11-21-073-07W4	PL	11-21-073-07W4	KIRBY										20			
Low	1-3	36655-7	07-21-073-07W4	PL	02-21-073-07W4	KIRBY										20			
Low	1-3	53905-8	16-20-073-07W4	PL	16-20-073-07W4	KIRBY										20			
Low	1-3	7007-9	07-29-073-07W4	PL	07-29-073-07W4	KIRBY										20			
Low	1-3	41506-10	07-21-073-07W4	PL	02-28-073-07W4	KIRBY										40			
Low	1-3	14609-39	06-32-073-08W4	BE	10-33-073-08W4	KIRBY										80			
Low	1-3	3794-49	05-31-073-08W4	WE	11-01-074-09W4	KIRBY	90					4				40			
Low	1-3	34227-41	09-05-073-08W6	PL	08-08-073-08W6	WEMBLEY	90					4				80			
Low	1-3	34145-1	02-24-073-09W5	BE	05-19-073-08W5	WIDEWATER										40			
Low	1-3	5642-99	10-18-073-14W4	PL	09-18-073-14W4	NIXON	90					4				40			
Low	1-3	23305-1	11-20-073-21W4	WE	05-30-073-21W4	FRANCIS	90									160			
Low	1-3	3943-7	10-30-073-21W4	BE	05-30-073-21W4	FRANCIS										40			
Low	1-3	55888-12	05-04-072-01W5	WE	02-28-071-01W5	PETER	90					4				40			
Low	1-3	18064-20	01-02-072-02W5	WE	12-30-071-01W5	DECRENE	90					4				40			
Low	1-3	20122-7	11-09-072-04W6	BE	05-08-072-04W6	GRANDE PRAIRIE										160			
Low	1-3	25418-10	08-33-072-05W6	PL	12-21-073-06W6	GRANDE PRAIRIE										320			
Low	1-3	28595-2	14-03-072-05W6	BE	09-03-072-05W6	GRANDE PRAIRIE										80			
Low	1-3	11279-72	09-21-072-10W4	PL	08-17-072-10W4	IPIATIK	90					4				40			
Low	1-3	3516-17	08-31-072-10W6	BE	11-29-072-10W6	WEMBLEY										80			
Low	1-3	4343-33	05-30-072-10W6	WE	11-29-072-10W6	WEMBLEY	90					4				40			
Low	1-3	7288-97	11-29-072-14W4	WE	09-30-072-14W4	NIXON	90					4				40			
Low	1-3	6139-9	09-01-072-24W5	BE	05-06-072-23W5	STURGEON LAKE										80			
Low	1-3	42339-3	01-18-071-01W5	WE	06-17-071-01W5	DECRENE	90					4				40			
Low	1-3	11290-10	09-19-071-01W5	WE	06-20-071-01W5	DECRENE	90					4				40			
Low	1-3	54194-27	07-30-071-01W5	WE	12-30-071-01W5	DECRENE	90					4				40			
Low	1-3	19758-22	08-26-071-02W5	WE	12-30-071-01W5	DECRENE	90					4				40			
Low	1-3	31647-1	10-32-071-07W6	PL	10-33-071-07W6	WEMBLEY	90									40			
Low	1-3	56915-1	16-32-071-08W6	S	13-33-071-08W6	WEMBLEY	90					5				40			
Low	1-3	9539-1	11-19-071-09W6	WE	09-24-071-10W6	ELMWORTH	90					4				40			
Low	1-3	13079-1	14-21-071-23W5	BE	10-29-071-23W5	STURGEON LAKE										80			
Low	1-3	5872-4	14-21-071-23W5	BE	05-28-071-23W5	STURGEON LAKE										80			
Low	1-3	10144-3	05-28-071-23W5	PL	10-29-071-23W5	STURGEON LAKE	90									80			
Low	1-3	1871-1	01-32-071-23W5	BE	15-29-071-23W5	STURGEON LAKE										40			
Low	1-3	21207-5	07-15-070-13W4	CS	04-17-070-13W4	TWEEDIE	90					4				40			
Low	1-3	14155-22	03-23-070-23W5	PL	14-14-070-23W5	STURGEON LAKE SOUTH	90					4				40			
Low	1-3	30955-7	08-06-069-05W6	WE	05-05-069-05W6	WAYNE-ROSEDALE	90					4				40			
Low	1-3	18650-3	13-02-069-06W6	WE	16-03-069-06W6	ELMWORTH	90					4				40			
Low	1-3	48237-1	06-11-069-06W6	WE	06-03-069-06W6	ELMWORTH	90					4				40			
Low	1-3	30901-9	04-21-069-06W6	WE	06-16-069-06W6	ELMWORTH	90					4				40			
Low	1-3	21411-35	16-07-069-07W6	WE	14-08-069-07W6	ELMWORTH	90					4				40			
Low	1-3	42896-2	04-06-069-08W6	WE	10-36-068-09W6	ELMWORTH	90					4				40			
Low	1-3	49559-1	09-04-069-08W6	WE	06-10-069-08W6	ELMWORTH	90					4				40			
Low	1-3	6208-32	08-07-069-09W6	WE	16-08-069-09W6	ELMWORTH	90					9				40			
Low	1-3	6773-128	09-11-069-09W6	WE	13-11-069-09W6	ELMWORTH	90					4				40			
Low	1-3	45154-162	13-10-069-09W6	PL	14-10-069-09W6	ELMWORTH	90					4				20			
Low	1-3	34994-167	15-12-069-09W6	PL	15-12-069-09W6	ELMWORTH	90					4				20			
Low	1-3	56443-174	06-06-069-09W6	WE	08-07-069-09W6	ELMWORTH	90					4				40			
Low	1-3	58245-1	01-02-069-09W6	WE	07-01-069-09W6	ELMWORTH	90					4				40			
Low	1-3	48540-47	03-15-069-10W6	WE	03-14-069-10W6	ELMWORTH	90					4				40			
Low	1-3	10159-54	01-06-069-10W6	WE	07-05-069-10W6	ELMWORTH	90					8				40			
Low	1-3	29043-1	10-16-069-13W6	BE	10-15-069-13W6	ELMWORTH										80			
Low	1-3	10561-2	10-16-069-13W6	BE	10-15-069-13W6	ELMWORTH										80			
Low	1-3	8471-4	13-17-069-13W6	PL	04-20-069-13W6	ELMWORTH	90									40			
Low	1-3	7053-62	03-06-069-21W5	WE	06-01-069-22W5	STURGEON LAKE SOUTH	90					5				80			
Low	1-3	3474-20	14-06-069-21W5	WE	12-06-069-21W5	STURGEON LAKE SOUTH	90					4				80			
Low	1-3	3366-3	06-08-069-21W5	B	09-06-069-21W5	STURGEON LAKE SOUTH	90					4				80			
Low	1-3	4618-7	01-06-069-21W5	WE	10-06-069-21W5	STURGEON LAKE SOUTH	90					4				80			
Low	1-3	2408-1	02-02-069-22W5	GP	04-06-069-21W5	STURGEON LAKE SOUTH										160			
Low	1-3	3486-14	13-11-069-22W5	WE	02-11-069-22W5	STURGEON LAKE SOUTH	90					4				80			
Low	1-3	5147-3	12-11-069-22W5	BE	04-11-069-22W5	STURGEON LAKE SOUTH										40			
Low	1-3	6294-7	09-20-069-22W5	BE	16-17-069-22W5	STURGEON LAKE SOUTH										40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-3	53118-9	05-12-069-22W5	WE	02-11-069-22W5	STURGEON LAKE SOUTH	90					4				80			
Low	1-3	23823-86	14-08-068-04W4	IP	06-08-068-04W4	FISHER										40			
Low	1-3	13143-87	06-08-068-04W4	PL	03-08-068-04W4	FISHER										20			
Low	1-3	26561-88	14-08-068-04W4	IP	06-17-068-04W4	FISHER										40			
Low	1-3	6845-102	04-11-068-04W4	PL	03-11-068-04W4	MOORE										20			
Low	1-3	12048-123	02-22-068-04W4	PL	02-22-068-04W4	FISHER										20			
Low	1-3	7667-125	03-22-068-04W4	PL	03-22-068-04W4	FISHER										20			
Low	1-3	11774-127	03-27-068-04W4	PL	03-27-068-04W4	FISHER										20			
Low	1-3	7393-128	03-27-068-04W4	PL	01-28-068-04W4	FISHER										20			
Low	1-3	10131-148	12-32-068-04W4	PL	12-32-068-04W4	FISHER										20			
Low	1-3	15608-149	12-32-068-04W4	PL	11-32-068-04W4	FISHER										40			
Low	1-3	9857-152	06-34-068-04W4	PL	06-34-068-04W4	FISHER										20			
Low	1-3	23336-1	14-08-068-04W4	MS	14-08-068-04W4	FISHER										20			
Low	1-3	47129-42	13-05-068-04W4	WE	15-06-068-04W4	PROVOST	90					5				40			
Low	1-3	23842-14	08-10-068-05W4	WE	15-11-068-05W4	FISHER	90					4				40			
Low	1-3	57868-64	10-36-068-05W4	WE	11-36-068-05W4	PROVOST	90					4				40			
Low	1-3	29518-10	02-07-068-05W6	WE	05-01-068-06W6	ELMWORTH	90					4				160			
Low	1-3	3655-19	16-17-068-06W6	PL	06-15-068-06W6	ELMWORTH	90					4				40			
Low	1-3	28643-31	02-12-068-06W6	WE	08-01-068-06W6	ELMWORTH	90					4				40			
Low	1-3	30406-3	02-11-068-06W6	WE	05-01-068-06W6	ELMWORTH	90					4				160			
Low	1-3	27137-2	02-11-068-06W6	WE	12-11-068-06W6	ELMWORTH	90					4				80			
Low	1-3	26185-5	01-01-068-06W6	PL	07-31-067-05W6	ELMWORTH	90									160			
Low	1-3	22036-1	07-28-068-06W6	WE	15-27-068-06W6	ELMWORTH	90					4				40			
Low	1-3	48914-1	03-09-068-06W6	WE	05-11-068-06W6	ELMWORTH	90					4				160			
Low	1-3	6380-6	13-08-068-06W6	WE	03-09-068-06W6	ELMWORTH	90					10				160			
Low	1-3	14355-11	05-11-068-06W6	WE	07-11-068-06W6	ELMWORTH	90					4				80			
Low	1-3	29477-5	10-18-068-06W6	PL	08-24-068-07W6	ELMWORTH	90					4				80			
Low	1-3	31070-3	09-06-068-07W6	WE	13-05-068-07W6	WAPITI	90					4				40			
Low	1-3	24471-2	08-24-068-07W6	PL	01-24-068-07W6	ELMWORTH	90					4				80			
Low	1-3	49499-4	13-24-068-07W6	WE	15-24-068-07W6	ELMWORTH	90					19				80			
Low	1-3	24834-61	10-28-068-07W6	WE	06-27-068-07W6	ELMWORTH	90					4				40			
Low	1-3	24270-127	06-17-068-07W6	WE	10-07-068-07W6	WAPITI	90									80			
Low	1-3	16564-17	11-23-068-07W6	WE	04-26-068-07W6	ELMWORTH	90					4				40			
Low	1-3	34842-18	04-26-068-07W6	PL	10-26-068-07W6	ELMWORTH	90					4				40			
Low	1-3	31043-102	10-13-068-08W6	WE	14-18-068-07W6	ELMWORTH	90					4				40			
Low	1-3	42332-170	10-20-068-08W6	BE	13-16-068-08W6	ELMWORTH										40			
Low	1-3	11656-4	08-36-068-09W6	PL	10-36-068-09W6	ELMWORTH	90					4				40			
Low	1-3	7922-1	13-08-068-09W6	WE	10-07-068-09W6	WAPITI	90					4				40			
Low	1-3	17497-52	13-17-068-10W6	WE	06-22-068-10W6	WAPITI	90					4				40			
Low	1-3	26432-48	06-09-068-11W6	WE	10-09-068-11W6	WAPITI	90									40			
Low	1-3	14110-130	16-12-068-11W6	WE	06-13-068-11W6	WAPITI	90					4				40			
Low	1-3	7220-162	11-05-068-12W4	B	05-08-068-12W4	TWEEDIE	90					4				40			
Low	1-3	3229-68	02-31-068-21W5	BE	07-31-068-21W5	STURGEON LAKE SOUTH										120			
Low	1-3	5202-82	08-31-068-21W5	WE	07-31-068-21W5	STURGEON LAKE SOUTH	90					4				80			
Low	1-3	23069-1	09-31-068-21W5	BE	07-31-068-21W5	STURGEON LAKE SOUTH										80			
Low	1-3	10131-94	03-14-067-03W4	GP	06-11-067-03W4	MOORE										40			
Low	1-3	23275-95	06-11-067-03W4	PL	06-11-067-03W4	MOORE										20			
Low	1-3	7667-96	05-12-067-03W4	PL	05-12-067-03W4	MOORE										20			
Low	1-3	8762-97	05-12-067-03W4	PL	13-01-067-03W4	MOORE										40			
Low	1-3	7941-98	08-12-067-03W4	PL	08-12-067-03W4	MOORE										20			
Low	1-3	7667-99	08-12-067-03W4	PL	16-01-067-03W4	MOORE										40			
Low	1-3	20537-108	03-14-067-03W4	PL	05-14-067-03W4	MOORE										40			
Low	1-3	3285-110	09-14-067-03W4	PL	05-13-067-03W4	MOORE										40			
Low	1-3	9584-111	09-14-067-03W4	PL	04-24-067-03W4	MOORE										40			
Low	1-3	21632-112	05-14-067-03W4	PL	02-15-067-03W4	MOORE										40			
Low	1-3	5202-113	02-15-067-03W4	PL	02-15-067-03W4	MOORE										20			
Low	1-3	11227-114	05-23-067-03W4	PL	06-23-067-03W4	MOORE										20			
Low	1-3	27383-115	13-23-067-03W4	PL	13-23-067-03W4	MOORE										20			
Low	1-3	4928-116	07-27-067-03W4	PL	06-27-067-03W4	MOORE										20			
Low	1-3	5476-135	05-14-067-03W4	PL	12-14-067-03W4	MOORE										40			
Low	1-3	2738-137	05-23-067-03W4	PL	13-23-067-03W4	MOORE										40			
Low	1-3	4107-139	06-11-067-03W4	PL	05-12-067-03W4	MOORE										40			
Low	1-3	14786-140	05-12-067-03W4	PL	05-12-067-03W4	MOORE										20			
Low	1-3	26835-141	05-12-067-03W4	PL	07-12-067-03W4	MOORE										20			
Low	1-3	18072-142	07-12-067-03W4	PL	07-12-067-03W4	MOORE										20			
Low	1-3	26750-15	12-14-067-03W4	PL	12-14-067-03W4	VERGER										20			
Low	1-3	14395-35	10-01-067-03W5	BE	04-06-067-02W5	AUINU										40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-3	6355-11	04-05-067-04W4	PL	10-05-067-04W4	MOORE										40			
Low	1-3	21659-34	10-05-067-04W4	B	04-10-067-04W4	MOORE										160			
Low	1-3	6704-84	12-05-067-04W4	PL	13-12-067-05W4	MOORE										80			
Low	1-3	11774-1	07-05-067-04W4	MS	10-05-067-04W4	MOORE										20			
Low	1-3	22454-2	01-06-067-04W4	PL	01-06-067-04W4	MOORE										20			
Low	1-3	24097-4	04-05-067-04W4	PL	03-05-067-04W4	MOORE										20			
Low	1-3	7119-5	10-05-067-04W4	PL	12-05-067-04W4	MOORE										40			
Low	1-3	12596-6	12-05-067-04W4	BE	09-06-067-04W4	MOORE										40			
Low	1-3	18620-8	09-06-067-04W4	PL	16-06-067-04W4	MOORE										20			
Low	1-3	17525-9	16-06-067-04W4	BE	09-07-067-04W4	MOORE										40			
Low	1-3	19441-10	16-06-067-04W4	BE	13-05-067-04W4	MOORE										20			
Low	1-3	21906-11	13-05-067-04W4	BE	13-05-067-04W4	MOORE										20			
Low	1-3	17798-12	16-06-067-04W4	BE	15-06-067-04W4	MOORE										20			
Low	1-3	27383-13	15-06-067-04W4	BE	15-06-067-04W4	MOORE										20			
Low	1-3	21632-15	08-07-067-04W4	BE	07-07-067-04W4	MOORE										20			
Low	1-3	11227-17	09-07-067-04W4	BE	10-07-067-04W4	MOORE										20			
Low	1-3	25466-18	09-07-067-04W4	BE	09-18-067-04W4	MOORE										40			
Low	1-3	4928-19	01-18-067-04W4	BE	02-18-067-04W4	MOORE										20			
Low	1-3	5202-20	01-18-067-04W4	BE	03-17-067-04W4	MOORE										20			
Low	1-3	3012-21	02-18-067-04W4	BE	02-18-067-04W4	MOORE										20			
Low	1-3	10679-22	03-17-067-04W4	BE	03-17-067-04W4	MOORE										20			
Low	1-3	17798-23	09-18-067-04W4	BE	10-18-067-04W4	MOORE										20			
Low	1-3	24644-24	09-18-067-04W4	BE	12-17-067-04W4	MOORE										20			
Low	1-3	4381-25	10-18-067-04W4	BE	10-18-067-04W4	MOORE										20			
Low	1-3	3559-26	12-17-067-04W4	BE	12-17-067-04W4	MOORE										20			
Low	1-3	6571-27	16-18-067-04W4	BE	15-18-067-04W4	MOORE										20			
Low	1-3	21084-28	16-18-067-04W4	BE	13-17-067-04W4	MOORE										20			
Low	1-3	23001-29	09-18-067-04W4	BE	08-19-067-04W4	MOORE										40			
Low	1-3	12596-32	07-19-067-04W4	BE	07-19-067-04W4	MOORE										20			
Low	1-3	17251-33	05-20-067-04W4	BE	05-20-067-04W4	MOORE										20			
Low	1-3	16429-34	08-19-067-04W4	BE	09-19-067-04W4	MOORE										40			
Low	1-3	8214-37	10-19-067-04W4	BE	15-19-067-04W4	MOORE										20			
Low	1-3	15060-38	11-20-067-04W4	BE	14-20-067-04W4	MOORE										20			
Low	1-3	22727-40	01-30-067-04W4	BE	02-30-067-04W4	MOORE										20			
Low	1-3	15882-41	01-30-067-04W4	BE	04-29-067-04W4	MOORE										20			
Low	1-3	17798-42	09-30-067-04W4	BE	10-30-067-04W4	MOORE										20			
Low	1-3	3559-43	09-30-067-04W4	BE	12-29-067-04W4	MOORE										20			
Low	1-3	15882-44	11-05-067-04W4	PL	16-06-067-04W4	MOORE										40			
Low	1-3	7667-46	01-31-067-04W4	BE	07-31-067-04W4	MOORE										20			
Low	1-3	4655-47	01-31-067-04W4	BE	05-32-067-04W4	MOORE										20			
Low	1-3	7941-48	09-31-067-04W4	BE	15-31-067-04W4	MOORE										20			
Low	1-3	3559-49	09-31-067-04W4	BE	13-32-067-04W4	MOORE										20			
Low	1-3	15060-52	01-09-067-04W4	PL	01-09-067-04W4	MOORE										20			
Low	1-3	8762-53	04-10-067-04W4	PL	03-10-067-04W4	MOORE										40			
Low	1-3	5476-54	12-10-067-04W4	PL	09-09-067-04W4	MOORE										20			
Low	1-3	10679-55	12-10-067-04W4	PL	11-10-067-04W4	MOORE										40			
Low	1-3	18894-56	12-03-067-04W4	PL	09-04-067-04W4	MOORE										20			
Low	1-3	7667-57	12-03-067-04W4	PL	11-03-067-04W4	MOORE										20			
Low	1-3	23275-58	05-03-067-04W4	PL	08-04-067-04W4	MOORE										20			
Low	1-3	20537-59	05-03-067-04W4	PL	06-03-067-04W4	MOORE										20			
Low	1-3	25192-60	12-03-067-04W4	PL	05-03-067-04W4	MOORE										40			
Low	1-3	21632-61	04-10-067-04W4	PL	12-03-067-04W4	MOORE										40			
Low	1-3	18620-62	04-10-067-04W4	PL	12-10-067-04W4	MOORE										40			
Low	1-3	13143-63	12-10-067-04W4	PL	04-15-067-04W4	MOORE										40			
Low	1-3	2738-64	04-15-067-04W4	PL	03-15-067-04W4	MOORE										20			
Low	1-3	16977-65	04-15-067-04W4	PL	01-16-067-04W4	MOORE										20			
Low	1-3	13965-66	04-15-067-04W4	PL	13-15-067-04W4	MOORE										40			
Low	1-3	8762-67	13-15-067-04W4	PL	14-15-067-04W4	MOORE										20			
Low	1-3	12322-68	13-15-067-04W4	PL	16-16-067-04W4	MOORE										20			
Low	1-3	16155-69	13-15-067-04W4	PL	04-22-067-04W4	MOORE										40			
Low	1-3	8214-70	04-22-067-04W4	PL	06-22-067-04W4	MOORE										20			
Low	1-3	27383-71	04-22-067-04W4	PL	08-21-067-04W4	MOORE										20			
Low	1-3	26013-72	04-22-067-04W4	PL	13-22-067-04W4	MOORE										40			
Low	1-3	20537-75	09-06-067-04W4	PL	01-06-067-04W4	MOORE										40			
Low	1-3	21632-76	13-15-067-04W4	PL	14-15-067-04W4	MOORE										20			
Low	1-3	15060-77	13-15-067-04W4	PL	16-16-067-04W4	MOORE										20			
Low	1-3	7667-78	04-22-067-04W4	PL	06-22-067-04W4	MOORE										20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-3	11500-79	04-22-067-04W4	PL	08-21-067-04W4	MOORE										20			
Low	1-3	10953-90	04-15-067-04W4	PL	01-15-067-04W4	FISHER										40			
Low	1-3	4928-91	01-15-067-04W4	PL	01-22-067-04W4	MOORE										40			
Low	1-3	7667-93	01-22-067-04W4	PL	08-22-067-04W4	MOORE										20			
Low	1-3	24370-104	04-34-067-04W4	PL	03-34-067-04W4	MOORE										20			
Low	1-3	16429-117	01-06-067-04W4	PL	04-05-067-04W4	MOORE										20			
Low	1-3	16703-118	04-05-067-04W4	PL	04-05-067-04W4	MOORE										20			
Low	1-3	26013-120	02-10-067-04W4	PL	01-10-067-04W4	MOORE										20			
Low	1-3	18894-121	12-02-067-04W4	PL	08-03-067-04W4	MOORE										20			
Low	1-3	19441-131	13-06-067-04W4	PL	12-06-067-04W4	MOORE										20			
Low	1-3	30929-16	01-06-067-04W4	PS	16-06-067-04W4	MOORE										40			
Low	1-3	5588-3	16-30-067-04W6	PL	08-35-067-04W6	ELMWORTH										80			
Low	1-3	3215-5	08-35-067-04W6	PL	02-03-068-03W6	ELMWORTH										80			
Low	1-3	5930-98	16-11-067-05W4	PL	13-16-067-05W4	FISHER										80			
Low	1-3	18620-132	16-02-067-05W4	PL	16-02-067-05W4	LEMING										20			
Low	1-3	6024-133	09-11-067-05W4	PL	10-11-067-05W4	LEMING										20			
Low	1-3	23001-134	13-12-067-05W4	PL	13-12-067-05W4	LEMING										20			
Low	1-3	14786-153	13-16-067-05W4	PL	13-16-067-05W4	FISHER										20			
Low	1-3	19168-155	07-16-067-05W4	PL	07-16-067-05W4	FISHER										20			
Low	1-3	34213-30	08-16-067-06W6	PL	10-21-067-06W6	ELMWORTH	90					4				40			
Low	1-3	18022-1	12-04-067-06W6	WE	07-32-066-06W6	ELMWORTH	90					4				80			
Low	1-3	57556-2	04-10-067-06W6	WE	02-10-067-06W6	ELMWORTH	90									40			
Low	1-3	24487-2	10-06-067-07W6	WE	10-31-066-07W6	WAPITI	90					4				40			
Low	1-3	23141-135	08-25-067-07W6	BE	09-22-067-07W6	ELMWORTH										80			
Low	1-3	23715-1	07-03-067-07W6	WE	08-04-067-07W6	WAPITI	90					5				40			
Low	1-3	24990-4	07-13-067-08W6	BE	10-14-067-08W6	WAPITI										40			
Low	1-3	18863-1	08-10-067-08W6	WE	06-09-067-08W6	WAPITI	90					4				80			
Low	1-3	3473-29	14-06-067-09W5	WE	04-07-067-09W5	SWAN HILLS	90					4				80			
Low	1-3	27040-1	08-07-067-09W6	PL	10-12-067-10W6	WAPITI	90					4				40			
Low	1-3	8631-58	14-30-067-10W5	WE	03-31-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	4713-28	10-01-067-10W5	BE	02-12-067-10W5	SWAN HILLS	90									80			
Low	1-3	19046-28	07-22-067-10W5	PL	10-22-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	27115-6	16-06-067-10W5	WE	04-08-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	17418-38	10-14-067-10W5	PL	02-23-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	39894-40	06-14-067-10W5	WE	10-14-067-10W5	SWAN HILLS	90					5				80			
Low	1-3	46075-41	10-22-067-10W5	S	10-22-067-10W5	SWAN HILLS	90					4				40			
Low	1-3	50009-43	12-23-067-10W5	PL	10-22-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	43828-44	12-23-067-10W5	BE	10-22-067-10W5	SWAN HILLS										80			
Low	1-3	49447-50	06-14-067-10W5	BE	10-14-067-10W5	SWAN HILLS										80			
Low	1-3	8990-7	08-30-067-10W5	WE	03-30-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	16295-9	06-30-067-10W5	WE	03-30-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	30924-18	09-31-067-10W5	BE	06-31-067-10W5	SWAN HILLS										80			
Low	1-3	41607-23	12-31-067-10W5	WE	03-31-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	6747-31	07-27-067-10W5	BE	06-27-067-10W5	SWAN HILLS										40			
Low	1-3	53978-33	06-26-067-10W5	BE	12-23-067-10W5	SWAN HILLS										80			
Low	1-3	6747-36	10-21-067-10W5	WE	16-21-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	49480-39	01-28-067-10W5	PL	04-27-067-10W5	SWAN HILLS	90					4				40			
Low	1-3	41609-14	05-22-067-10W5	BE	08-21-067-10W5	SWAN HILLS										40			
Low	1-3	47234-18	13-20-067-10W5	WE	09-19-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	40487-23	09-19-067-10W5	PL	11-19-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	13495-25	01-19-067-10W5	BE	03-19-067-10W5	SWAN HILLS										80			
Low	1-3	50608-26	01-19-067-10W5	BE	04-20-067-10W5	SWAN HILLS										40			
Low	1-3	35988-28	04-20-067-10W5	PL	03-19-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	25304-37	03-19-067-10W5	WE	03-19-067-10W5	SWAN HILLS	90					4				40			
Low	1-3	29803-17	06-18-067-10W5	PL	04-18-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	15745-18	06-18-067-10W5	PL	04-18-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	6185-24	01-18-067-10W5	PL	08-18-067-10W5	SWAN HILLS	90									40			
Low	1-3	35562-85	13-05-067-10W5	BE	10-08-067-10W5	SWAN HILLS										40			
Low	1-3	41407-3	03-18-067-10W5	CS	12-18-067-10W5	SWAN HILLS										20			
Low	1-3	50739-4	12-18-067-10W5	PL	11-18-067-10W5	SWAN HILLS										20			
Low	1-3	55878-63	07-18-067-10W6	WE	14-17-067-10W6	WAPITI	90					6				80			
Low	1-3	15744-15	02-24-067-11W5	BE	03-19-067-10W5	SWAN HILLS										80			
Low	1-3	50046-24	02-24-067-11W5	BE	03-19-067-10W5	SWAN HILLS										80			
Low	1-3	16869-30	09-24-067-11W5	PL	11-19-067-10W5	SWAN HILLS	90					4				80			
Low	1-3	55669-31	09-24-067-11W5	BE	11-19-067-10W5	SWAN HILLS										80			
Low	1-3	52296-13	13-13-067-11W5	BE	10-13-067-11W5	SWAN HILLS										80			
Low	1-3	5644-57	06-14-067-11W6	WE	01-23-067-11W6	WAPITI	90					5				40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	1-3	27988-14	01-20-067-11W6	WE	03-20-067-11W6	WAPITI	90					4				40		
Low	1-3	5663-55	14-24-067-12W6	WE	06-30-067-11W6	WAPITI	90					6				40		
Low	1-3	22202-35	07-01-067-13W6	WE	12-06-067-12W6	WAPITI	90					4				40		
Low	1-3	38381-79	12-10-067-13W6	PL	09-08-067-13W6	WAPITI	90					4				40		
Low	1-3	13546-101	07-04-067-13W6	WE	13-03-067-13W6	ELMWORTH	90					4				40		
Low	1-3	20883-164	14-03-067-13W6	WE	13-03-067-13W6	WAPITI	90					4				40		
Low	1-3	12858-21	04-05-067-23W5	WE	04-01-067-24W5	ANTE CREEK NORTH	90					4				160		
Low	1-3	20816-14	07-28-066-03W5	BE	15-33-066-03W5	AKUINUU										80		
Low	1-3	34075-2	09-01-066-04W6	WE	16-36-065-04W6	KARR	90					5				80		
Low	1-3	10778-21	06-03-066-05W4	BE	06-03-066-05W4	LEMING										20		
Low	1-3	18979-28	11-08-066-05W4	IP	02-17-066-05W4	LEMING										40		
Low	1-3	12653-29	02-17-066-05W4	PL	05-16-066-05W4	LEMING										40		
Low	1-3	6560-34	01-09-066-05W4	PL	12-10-066-05W4	LEMING										40		
Low	1-3	18276-35	12-10-066-05W4	PL	14-10-066-05W4	LEMING										40		
Low	1-3	17339-49	01-17-066-05W4	PL	01-17-066-05W4	LEMING										20		
Low	1-3	10544-52	14-10-066-05W4	PL	04-15-066-05W4	LEMING										40		
Low	1-3	23197-54	10-08-066-05W4	PL	04-04-066-05W4	LEMING										40		
Low	1-3	9841-56	11-22-066-05W4	PL	06-27-066-05W4	LEMING										40		
Low	1-3	9138-57	06-27-066-05W4	PL	05-27-066-05W4	LEMING										20		
Low	1-3	15230-58	12-10-066-05W4	PL	05-10-066-05W4	LEMING										20		
Low	1-3	4452-64	08-09-066-05W4	PL	10-09-066-05W4	LEMING										20		
Low	1-3	6711-1	10-08-066-05W4	IP	05-08-066-05W4	LEMING										40		
Low	1-3	14882-6	11-08-066-05W4	IP	09-08-066-05W4	LEMING										20		
Low	1-3	13760-15	08-05-066-05W6	PL	06-09-066-05W6	KARR	90					4				40		
Low	1-3	17037-10	04-01-066-05W6	WE	11-01-066-05W6	KARR	90					12				80		
Low	1-3	27264-4	10-33-066-07W6	WE	02-33-066-07W6	WAPITI	90					4				40		
Low	1-3	5796-1	10-16-066-07W6	WE	02-28-066-07W6	WAPITI	90					4				40		
Low	1-3	27572-2	06-19-066-07W6	WE	03-30-066-07W6	WAPITI	90					4				40		
Low	1-3	20257-7	07-06-066-07W6	WE	09-02-066-08W6	WAPITI	90					4				40		
Low	1-3	11575-94	03-12-066-09W6	WE	08-01-066-09W6	KAKWA	90					4				40		
Low	1-3	6072-20	06-11-066-09W6	WE	08-02-066-09W6	KAKWA	90					4				80		
Low	1-3	9022-7	09-35-066-10W5	PL	04-35-066-10W5	SWAN HILLS	90									160		
Low	1-3	48706-13	16-31-066-10W5	WE	12-32-066-10W5	SWAN HILLS	90									80		
Low	1-3	44187-18	08-30-066-10W5	BE	04-29-066-10W5	SWAN HILLS										80		
Low	1-3	48706-25	06-29-066-10W5	BE	08-30-066-10W5	SWAN HILLS										80		
Low	1-3	40170-28	08-29-066-10W5	BE	08-30-066-10W5	SWAN HILLS										160		
Low	1-3	7310-15	08-32-066-10W5	BE	02-32-066-10W5	SWAN HILLS										80		
Low	1-3	13495-30	09-30-066-10W5	BE	08-30-066-10W5	SWAN HILLS										40		
Low	1-3	46671-35	16-32-066-10W5	BE	02-32-066-10W5	SWAN HILLS										80		
Low	1-3	32853-18	02-33-066-10W6	PL	14-28-066-10W6	WAPITI	90					4				40		
Low	1-3	31664-4	07-09-066-10W6	WE	09-08-066-10W6	KAKWA	90									40		
Low	1-3	7150-1	04-09-066-10W6	WE	01-09-066-10W6	KAKWA	90					4				40		
Low	1-3	24848-2	02-26-066-10W6	WE	12-27-066-10W6	WAPITI	90					4				40		
Low	1-3	17506-4	16-16-066-10W6	WE	07-21-066-10W6	WAPITI	90					4				40		
Low	1-3	14118-5	10-23-066-10W6	WE	02-26-066-10W6	WAPITI	90					4				40		
Low	1-3	37836-6	02-22-066-10W6	WE	16-16-066-10W6	WAPITI	90					4				40		
Low	1-3	43484-7	14-22-066-10W6	WE	03-27-066-10W6	WAPITI	90					4				40		
Low	1-3	1769-22	10-25-066-11W5	BE	10-25-066-11W5	SWAN HILLS										40		
Low	1-3	20319-65	04-29-066-11W6	WE	11-20-066-11W6	WAPITI	90					4				40		
Low	1-3	42853-1	05-29-066-12W6	WE	06-30-066-12W6	WAPITI	90									40		
Low	1-3	37816-131	10-07-066-12W6	WE	13-08-066-12W6	WAPITI	90									40		
Low	1-3	40638-53	11-27-066-13W6	WE	06-25-066-13W6	WAPITI	90					5				40		
Low	1-3	24270-81	11-34-066-13W6	WE	06-35-066-13W6	WAPITI	90					5				80		
Low	1-3	31608-82	06-35-066-13W6	PL	06-25-066-13W6	WAPITI	90					4				40		
Low	1-3	30479-85	15-36-066-13W6	WE	12-25-066-13W6	WAPITI	90					4				40		
Low	1-3	51927-93	07-32-066-13W6	WE	13-03-067-13W6	WAPITI	90					4				40		
Low	1-3	14110-107	05-26-066-13W6	WE	03-26-066-13W6	ELMWORTH	90									40		
Low	1-3	41561-7	15-23-066-20W4	WE	13-24-066-20W4	FLAT	90					4				40		
Low	1-3	9696-16	13-29-066-24W5	WE	16-31-066-24W5	ANTE CREEK NORTH	90					15				80		
Low	1-3	17013-15	01-33-065-03W6	PL	05-34-065-03W6	KARR	90									80		
Low	1-3	46256-16	14-22-065-03W6	WE	01-33-065-03W6	KARR	90					10				160		
Low	1-3	16482-18	16-21-065-03W6	WE	04-27-065-03W6	KARR	90									80		
Low	1-3	42319-13	13-28-065-03W6	WE	01-32-065-03W6	KARR	90					10				80		
Low	1-3	51663-14	16-27-065-03W6	PL	01-34-065-03W6	KARR	90					10				80		
Low	1-3	48915-15	16-27-065-03W6	PL	01-34-065-03W6	KARR	90					15				80		
Low	1-3	43968-16	08-28-065-03W6	PL	16-27-065-03W6	KARR	90					15				80		
Low	1-3	23083-17	08-28-065-03W6	PL	01-32-065-03W6	KARR	90					19				80		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-3	47266-18	01-32-065-03W6	PL	10-31-065-03W6	KARR	90					4				160			
Low	1-3	35724-4	08-36-065-04W6	WE	16-36-065-04W6	KARR	90									80			
Low	1-3	26334-3	07-32-065-05W6	PL	10-32-065-05W6	KARR	90					4				40			
Low	1-3	49191-4	09-30-065-05W6	WE	14-29-065-05W6	KARR	90									40			
Low	1-3	23681-9	14-08-065-07W6	WE	07-08-065-07W6	WAPITI	90									40			
Low	1-3	18069-5	07-33-065-07W6	WE	11-28-065-07W6	WAPITI	90					4				40			
Low	1-3	56467-12	04-28-065-07W6	WE	06-28-065-07W6	WAPITI	90					4				40			
Low	1-3	7905-13	09-27-065-07W6	WE	07-27-065-07W6	WAPITI	90					4				40			
Low	1-3	40656-14	07-06-065-07W6	WE	05-05-065-07W6	WAPITI	90					6				40			
Low	1-3	15246-16	12-21-065-07W6	WE	06-28-065-07W6	WAPITI	90					4				40			
Low	1-3	47996-22	07-31-065-07W6	WE	04-32-065-07W6	WAPITI	90					4				40			
Low	1-3	47432-32	06-33-065-07W6	WE	07-33-065-07W6	WAPITI	90					4				40			
Low	1-3	52514-37	13-16-065-07W6	WE	12-21-065-07W6	WAPITI	90					4				40			
Low	1-3	7923-1	11-07-065-07W6	WE	09-12-065-08W6	WAPITI	90					4				40			
Low	1-3	27236-63	11-20-065-08W6	PL	02-21-065-08W6	WAPITI	90					4				40			
Low	1-3	22577-106	02-30-065-08W6	WE	03-30-065-08W6	ELMWORTH	90					4				40			
Low	1-3	25974-21	09-01-065-08W6	WE	07-12-065-08W6	WAPITI	90					4				40			
Low	1-3	20892-23	06-02-065-08W6	WE	09-01-065-08W6	WAPITI	90					4				40			
Low	1-3	19198-27	02-13-065-08W6	WE	15-13-065-08W6	WAPITI	90					4				40			
Low	1-3	18069-33	11-03-065-08W6	WE	03-10-065-08W6	WAPITI	90					4				40			
Low	1-3	24782-21	10-36-065-09W6	CS	14-36-065-09W6	KAKWA	90					20				20			
Low	1-3	37964-51	13-17-065-09W6	PL	13-17-065-09W6	KAKWA	90					10				20			
Low	1-3	23070-13	11-26-065-09W6	WE	08-26-065-09W6	KAKWA	90					4				40			
Low	1-3	8440-14	07-23-065-09W6	WE	08-26-065-09W6	KAKWA	90					4				40			
Low	1-3	42765-15	08-26-065-09W6	PL	12-25-065-09W6	KAKWA	90					4				40			
Low	1-3	24896-1	16-17-065-09W6	WE	08-18-065-09W6	KAKWA	90					4				40			
Low	1-3	48582-7	04-04-065-09W6	WE	08-05-065-09W6	KAKWA	90					4				40			
Low	1-3	35222-13	11-08-065-09W6	WE	06-08-065-09W6	KAKWA	90					4				40			
Low	1-3	22469-14	08-18-065-09W6	WE	10-07-065-09W6	KAKWA	90					4				40			
Low	1-3	17497-74	13-32-065-10W6	WE	15-33-065-10W6	KAKWA	90					4				40			
Low	1-3	45718-142	09-06-065-10W6	WE	03-08-065-10W6	KAKWA	90					4				40			
Low	1-3	54749-143	13-09-065-10W6	WE	12-09-065-10W6	KAKWA	90					4				40			
Low	1-3	32184-1	12-10-065-10W6	WE	10-09-065-10W6	KAKWA	90					4				40			
Low	1-3	27327-19	08-13-065-10W6	WE	12-18-065-09W6	KAKWA	90					4				40			
Low	1-3	7287-1	08-26-065-11W6	WE	04-25-065-11W6	KAKWA	90					4				40			
Low	1-3	44002-4	12-12-065-13W6	WE	03-12-065-13W5	CHINOOK RIDGE	90					4				40			
Low	1-3	30577-14	09-29-065-13W6	BE	11-28-065-13W6	CHINOOK RIDGE	90									40			
Low	1-3	18656-37	11-09-065-16W4	PL	10-31-064-16W4	FIGURE LAKE	90					4				80			
Low	1-3	12970-30	07-32-065-22W5	BE	02-31-065-22W5	ANTE CREEK NORTH	90									160			
Low	1-3	20004-19	07-11-065-22W5	WE	07-01-065-22W5	MCKINLEY	90					5				40			
Low	1-3	5049-10	10-18-065-23W5	B	10-18-065-23W5	ANTE CREEK NORTH	90									20			
Low	1-3	8905-3	04-05-065-23W5	WE	04-08-065-23W5	ANTE CREEK NORTH	90					4				80			
Low	1-3	9940-14	04-05-065-23W5	PL	12-05-065-23W5	WAINWRIGHT	90					4				80			
Low	1-3	36408-2	06-08-064-01W6	WE	07-07-064-01W6	KARR	90					4				40			
Low	1-3	42891-12	11-28-064-02W6	WE	08-28-064-02W6	KARR	90					4				80			
Low	1-3	20513-16	08-29-064-02W6	WE	11-28-064-02W6	KARR	90					15				80			
Low	1-3	17715-18	01-21-064-02W6	WE	08-28-064-02W6	KARR	90					4				160			
Low	1-3	13053-19	08-04-064-02W6	WE	09-04-064-02W6	KARR	90					10				80			
Low	1-3	50091-27	05-24-064-09W6	PL	12-23-064-09W6	KAKWA	90					4				40			
Low	1-3	45578-3	11-29-064-09W6	WE	02-31-064-09W6	KAKWA	90					4				40			
Low	1-3	48954-17	09-29-064-09W6	BE	12-28-064-09W6	KAKWA	90									40			
Low	1-3	32172-145	10-34-064-10W6	PL	07-04-065-10W6	KAKWA	90					4				80			
Low	1-3	15665-1	10-25-064-11W5	MS	07-25-064-11W5	SWAN HILLS SOUTH	90									40			
Low	1-3	24030-55	10-02-064-13W6	WE	15-35-063-13W6	NARRAWAY	90					4				40			
Low	1-3	29423-10	12-01-064-13W6	WE	07-11-064-13W6	NARRAWAY	90					4				40			
Low	1-3	17171-3	10-02-064-21W5	WE	06-16-064-21W5	TONY CREEK NORTH	90					4				40			
Low	1-3	12647-3	15-07-064-21W5	BE	07-17-064-21W5	TONY CREEK NORTH	90									40			
Low	1-3	15025-1	09-17-064-26W5	B	11-19-064-01W6	SIMONETTE	90									160			
Low	1-3	30376-1	08-27-063-01W6	WE	06-27-063-01W6	LATORNELL	90					4				40			
Low	1-3	20047-5	10-09-063-02W6	WE	13-09-063-02W6	LATOR	90					4				80			
Low	1-3	22844-11	13-09-063-02W6	PS	12-09-063-02W6	LATOR	90									160			
Low	1-3	34386-1	13-09-063-02W6	PL	07-08-064-02W6	LATOR	90					4				80			
Low	1-3	7509-8	06-14-063-03W5	BE	13-12-063-03W5	TIMEU	90									80			
Low	1-3	42874-3	11-07-063-08W4	CS	05-13-063-09W4	SUGDEN	90									40			
Low	1-3	22500-2	02-29-063-11W6	WE	14-16-063-11W6	NARRAWAY	90					4				80			
Low	1-3	3840-4	11-09-063-13W4	BE	10-09-063-13W4	CRAIGEND	90									40			
Low	1-3	12523-26	08-33-063-13W6	PL	08-33-063-13W6	NARRAWAY	90					7				20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	1-3	8461-57	15-11-063-13W6	BE	14-11-063-13W6	NARRAWAY										40		
Low	1-3	55962-12	04-36-063-14W6	WE	11-36-063-14W6	NARRAWAY	90					4				40		
Low	1-3	12054-43	09-02-063-15W4	BE	08-34-062-15W4	CRAIGEND										40		
Low	1-3	3285-2	11-35-063-26W4	BE	10-11-064-26W4	BOLLOQUE										80		
Low	1-3	23448-2	15-12-063-27W5	PL	14-35-062-27W5	SIMONETTE	90					4				40		
Low	1-3	3714-121	06-31-062-22W5	WE	06-05-063-22W5	WASKAHIGAN	90					4				40		
Low	1-3	22010-8	08-17-062-24W5	WE	01-20-062-24W5	WASKAHIGAN	90									160		
Low	1-3	23305-14	01-15-062-25W5	BE	09-10-062-25W5	WASKAHIGAN										80		
Low	1-3	6776-5	07-10-061-18W5	BE	11-10-061-18W5	KAYBOB SOUTH										40		
Low	1-3	9117-16	11-09-061-22W5	CS	08-10-061-22W5	BIGSTONE	90					4				40		
Low	1-3	17980-14	01-01-061-24W5	WE	02-36-060-24W5	PLACID	90					4				40		
Low	1-3	33513-9	13-02-061-24W5	WE	05-02-061-24W5	PLACID	90					4				80		
Low	1-3	56077-3	07-01-060-01W6	WE	02-02-060-01W6	PROVOST	90					5				40		
Low	1-3	59657-11	01-14-060-01W6	PL	13-02-060-01W6	PROVOST	90					10				40		
Low	1-3	37462-2	01-28-060-02W5	WE	02-27-060-02W5	WESTLOCK	90					4				40		
Low	1-3	32737-17	10-19-060-17W5	WE	05-19-060-17W5	KAYBOB SOUTH	90					4				40		
Low	1-3	25964-19	05-19-060-17W5	PL	06-24-060-18W5	KAYBOB SOUTH	90					4				40		
Low	1-3	56471-15	11-09-060-17W5	WE	07-09-060-17W5	KAYBOB SOUTH	90					4				40		
Low	1-3	10606-5	10-14-060-19W4	BE	05-24-060-19W4	WOODLAND										40		
Low	1-3	15239-21	10-01-060-19W5	BE	05-01-060-19W5	KAYBOB SOUTH										40		
Low	1-3	5809-3	12-28-060-23W5	PL	07-29-060-23W5	PLACID	90					4				80		
Low	1-3	5647-34	11-14-059-01W6	WE	01-15-059-01W6	SMOKY	90					4				40		
Low	1-3	54157-2	07-15-059-01W6	WE	08-10-059-01W6	SMOKY	90					4				40		
Low	1-3	28635-9	11-23-059-01W6	WE	06-24-059-01W6	PROVOST	90					5				40		
Low	1-3	35591-1	12-05-059-03W6	WE	12-04-059-03W6	SMOKY	90					5				40		
Low	1-3	28232-1	10-05-059-03W6	WE	08-05-059-03W6	SMOKY	90					4				40		
Low	1-3	17954-11	11-03-059-06W4	WE	14-04-059-06W4	LINDBERGH	90					5				40		
Low	1-3	15540-18	08-25-059-07W4	MS	07-30-059-06W4	STEVE	90									80		
Low	1-3	1890-6	10-26-059-09W5	PL	10-26-059-09W5	GREENCOURT	90									20		
Low	1-3	6404-3	10-24-059-09W5	BE	09-26-059-09W5	GREENCOURT										40		
Low	1-3	1874-3	09-26-059-09W5	PL	09-26-059-09W5	GREENCOURT	90					4				20		
Low	1-3	14614-8	03-17-059-15W4	BE	11-16-059-15W4	WHITFORD										40		
Low	1-3	30914-12	11-24-059-15W4	BE	05-23-059-15W4	BELLIS										80		
Low	1-3	29929-14	10-36-059-18W5	WE	02-36-059-18W5	KAYBOB SOUTH	90					4				40		
Low	1-3	56985-1	14-34-059-20W5	WE	10-04-060-20W5	KAYBOB SOUTH	90					4				80		
Low	1-3	13585-6	07-16-059-24W5	PL	07-16-059-24W5	PLACID	90					4				20		
Low	1-3	33856-1	16-15-059-24W5	BE	15-15-059-24W5	PLACID										60		
Low	1-3	12152-10	12-03-059-25W5	BE	06-04-059-25W5	LELAND										40		
Low	1-3	11392-14	07-24-059-26W5	BE	07-19-059-25W5	LELAND										80		
Low	1-3	41787-1	02-01-059-26W5	WE	16-35-058-26W5	LELAND	90					4				40		
Low	1-3	47267-3	01-17-059-26W5	WE	04-18-059-26W5	LELAND	90					5				40		
Low	1-3	19686-2	02-17-059-26W5	PL	03-18-059-26W5	PROVOST	90					5				40		
Low	1-3	39529-23	03-03-059-27W5	PL	10-33-058-27W5	SMOKY	90					4				40		
Low	1-3	29645-3	03-12-059-27W5	WE	10-01-059-27W5	SMOKY	90					5				40		
Low	1-3	7512-5	14-09-058-01W6	PL	15-08-058-01W6	SMOKY	90					4				40		
Low	1-3	30306-3	02-16-058-02W6	PL	14-09-058-02W6	SMOKY	90									40		
Low	1-3	40111-15	10-16-058-02W6	PL	07-16-058-02W6	SMOKY	90					4				40		
Low	1-3	23557-11	05-20-058-05W4	PL	08-11-058-06W4	KAKWA										80		
Low	1-3	40885-1	02-15-058-23W5	WE	03-15-058-23W5	SUNDANCE	90									40		
Low	1-3	29011-11	10-02-058-24W5	WE	06-03-058-24W5	WILD RIVER	90					4				80		
Low	1-3	24632-52	02-02-058-24W5	WE	16-35-057-24W5	WILD RIVER	90					4				40		
Low	1-3	27369-64	16-07-058-24W5	WE	13-07-058-24W5	WILD RIVER	90					4				40		
Low	1-3	49811-79	11-04-058-24W5	WE	08-04-058-24W5	WILD RIVER	90					4				40		
Low	1-3	48716-85	13-02-058-24W5	WE	05-02-058-24W5	WILD RIVER	90					4				40		
Low	1-3	25179-86	03-01-058-24W5	WE	09-35-057-24W5	WILD RIVER	90					4				40		
Low	1-3	15800-2	01-11-058-25W4	BE	07-33-057-25W4	WESTLOCK										80		
Low	1-3	31748-27	02-13-058-25W5	WE	12-06-058-24W5	BERLAND RIVER WEST	90					4				80		
Low	1-3	14231-47	10-02-058-25W5	WE	02-02-058-25W5	WILD RIVER	90					4				40		
Low	1-3	52548-48	13-03-058-25W5	WE	01-03-058-25W5	WILD RIVER	90					4				40		
Low	1-3	50906-57	12-13-058-25W5	WE	07-13-058-25W5	BERLAND RIVER WEST	90					4				40		
Low	1-3	15326-95	04-13-058-25W5	WE	02-13-058-25W5	BERLAND RIVER WEST	90					4				40		
Low	1-3	7699-2	14-23-058-26W5	GP	16-27-058-26W5	LELAND	90									160		
Low	1-3	6841-5	16-26-058-27W5	BE	08-36-058-27W5	LELAND										40		
Low	1-3	23260-32	06-06-057-21W5	WE	06-13-057-22W5	SUNDANCE	90					4				40		
Low	1-3	30786-33	06-17-057-21W5	WE	09-13-057-22W5	SUNDANCE	90					4				40		
Low	1-3	5131-34	13-17-057-22W5	WE	03-20-057-22W5	SUNDANCE	90					4				40		
Low	1-3	4445-11	14-36-057-23W5	GP	11-36-057-23W5	SUNDANCE	90					4				20		

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							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-3	16968-8	02-31-057-24W5	BE	15-30-057-24W5	WILD RIVER										40			
Low	1-3	6568-15	02-30-057-24W5	WE	08-30-057-24W5	WILD RIVER	90					5				40			
Low	1-3	45979-21	02-31-057-24W5	WE	15-30-057-24W5	WILD RIVER	90					5				20			
Low	1-3	29011-29	16-17-057-24W5	WE	01-19-057-24W5	WILD RIVER	90					4				40			
Low	1-3	54738-31	01-27-057-24W5	WE	12-26-057-24W5	WILD RIVER	90					4				40			
Low	1-3	22989-39	16-07-057-24W5	PL	15-13-057-25W5	WILD RIVER	90					4				80			
Low	1-3	18063-55	11-17-057-24W5	WE	16-18-057-24W5	WILD RIVER	90					4				40			
Low	1-3	31748-68	01-33-057-24W5	WE	03-34-057-24W5	WILD RIVER	90					4				40			
Low	1-3	52548-81	02-17-057-24W5	WE	15-07-057-24W5	WILD RIVER	90					4				40			
Low	1-3	9305-87	02-21-057-24W5	BE	06-21-057-24W5	WILD RIVER										40			
Low	1-3	42695-105	10-35-057-24W5	WE	10-35-057-24W5	WILD RIVER	90					4				40			
Low	1-3	33437-13	10-01-057-24W5	WE	01-01-057-24W5	WILD RIVER	90					4				40			
Low	1-3	54955-1	12-30-057-24W5	WE	15-30-057-24W5	WILD RIVER	90					4				40			
Low	1-3	21347-14	06-36-057-25W5	WE	02-31-057-24W5	WILD RIVER	90					4				40			
Low	1-3	7663-78	04-36-057-25W5	BE	05-36-057-25W5	WILD RIVER										40			
Low	1-3	23905-1	13-26-057-25W5	WE	12-26-057-25W5	WILD RIVER	90					4				40			
Low	1-3	28908-2	12-26-057-25W5	PL	08-26-057-25W5	WILD RIVER	90					4				40			
Low	1-3	40583-4	12-26-057-25W5	BE	01-32-057-25W5	WILD RIVER										80			
Low	1-3	34297-31	04-11-057-27W5	WE	07-02-057-27W5	WILD RIVER	90					4				40			
Low	1-3	38931-2	10-20-056-23W5	PL	12-28-056-23W5	WILD RIVER	90					4				40			
Low	1-3	13708-4	08-27-056-23W5	WE	06-28-056-23W5	WILD RIVER	90					4				80			
Low	1-3	31254-5	15-21-056-23W5	WE	12-22-056-23W5	WILD RIVER	90					4				40			
Low	1-3	25223-6	01-17-056-23W5	WE	16-17-056-23W5	WILD RIVER	90					4				40			
Low	1-3	31803-10	15-21-056-23W5	WE	02-28-056-23W5	WILD RIVER	90					4				40			
Low	1-3	52091-12	04-17-056-23W5	WE	13-17-056-23W5	WILD RIVER	90					4				40			
Low	1-3	25771-13	04-28-056-23W5	WE	06-28-056-23W5	WILD RIVER	90									40			
Low	1-3	23578-14	16-22-056-23W5	WE	08-27-056-23W5	WILD RIVER	90					4				40			
Low	1-3	44948-4	15-35-056-24W5	PL	12-36-056-24W5	WILD RIVER	90					4				40			
Low	1-3	33985-18	07-26-056-24W5	WE	10-26-056-24W5	WILD RIVER	90					4				40			
Low	1-3	35629-23	13-35-056-24W5	PL	11-35-056-24W5	WILD RIVER	90					4				40			
Low	1-3	11024-35	15-13-056-27W5	PL	06-19-056-26W5	WILD RIVER	90					5				40			
Low	1-3	14080-103	05-04-055-04W4	WE	09-05-055-04W4	LINDBERGH	90					4				40			
Low	1-3	44018-21	03-24-055-06W4	BE	06-24-055-06W4	LINDBERGH										80			
Low	1-3	34449-44	06-24-055-06W4	BE	07-24-055-06W4	LINDBERGH										80			
Low	1-3	44496-46	07-24-055-06W4	BE	06-24-055-06W4	LINDBERGH										80			
Low	1-3	15789-73	11-24-055-06W4	BE	06-24-055-06W4	LINDBERGH										80			
Low	1-3	31578-102	10-24-055-06W4	BE	06-24-055-06W4	LINDBERGH										80			
Low	1-3	13322-58	08-11-055-10W4	BE	08-12-055-10W4	DUVERNAY										40			
Low	1-3	17139-44	12-01-055-22W5	PL	12-12-055-22W5	WAYNE-ROSEDALE	90					4				80			
Low	1-3	25681-27	04-09-055-22W5	WE	07-09-055-22W5	SUNDANCE	90					10				40			
Low	1-3	43443-1	10-01-055-22W5	BE	06-01-055-22W5	SUNDANCE										40			
Low	1-3	20852-4	08-03-055-22W5	WE	16-03-055-22W5	SUNDANCE	90					4				40			
Low	1-3	22208-3	01-12-055-23W5	WE	15-07-055-22W5	SUNDANCE	90									80			
Low	1-3	34312-15	10-09-055-23W5	PL	12-10-055-23W5	SUNDANCE	90					4				40			
Low	1-3	7903-21	13-03-055-24W5	WE	15-32-054-24W5	WILD RIVER	90					5				40			
Low	1-3	7028-9	03-26-055-25W5	PL	13-24-055-25W5	WILD RIVER	90					4				40			
Low	1-3	9136-24	15-16-055-25W5	WE	05-22-055-25W5	WILD RIVER	90					4				40			
Low	1-3	21787-35	14-23-055-25W5	PL	13-24-055-25W5	WILD RIVER	90					4				40			
Low	1-3	13688-7	15-18-054-06W4	PL	10-21-054-06W4	LINDBERGH										80			
Low	1-3	5393-6	15-33-054-10W4	PL	10-33-054-10W4	BEAUVALLON	90					8				40			
Low	1-3	20751-7	12-30-054-20W5	WE	13-19-054-20W5	SUNDANCE	90					8				40			
Low	1-3	35508-9	07-20-054-20W5	WE	04-20-054-20W5	SUNDANCE	90					5				40			
Low	1-3	13834-10	04-16-054-20W5	WE	04-20-054-20W5	SUNDANCE	90					8				40			
Low	1-3	17936-26	07-25-054-21W5	PL	02-25-054-21W5	SUNDANCE	90									40			
Low	1-3	24247-29	03-06-054-22W5	WE	12-01-054-23W5	SUNDANCE	90					5				80			
Low	1-3	33587-28	13-26-054-25W5	WE	10-26-054-25W5	MARSH	90									40			
Low	1-3	14951-21	11-36-053-06W4	PL	13-36-053-06W4	LINDBERGH	90					4				40			
Low	1-3	2572-50	04-04-053-19W5	PL	02-05-053-19W5	EDSON	90					4				40			
Low	1-3	20112-2	15-12-053-20W5	PL	03-14-053-20W5	EDSON	90					4				40			
Low	1-3	21827-134	13-12-053-21W5	WE	14-01-053-21W5	ANSELL	90					7				80			
Low	1-3	7059-6	13-31-053-21W5	WE	03-36-053-22W5	SUNDANCE	90					4				80			
Low	1-3	16118-141	03-26-053-22W5	WE	03-23-053-22W5	SUNDANCE	90					4				40			
Low	1-3	19516-4	03-36-053-22W5	WE	16-24-053-22W5	SUNDANCE	90					4				40			
Low	1-3	20555-1	03-17-053-23W5	WE	01-19-053-23W5	DALEHURST	90					21				40			
Low	1-3	17903-1	13-07-053-24W5	WE	03-12-053-25W5	PEDLEY	90					4				40			
Low	1-3	5573-9	01-30-052-19W5	PL	01-24-052-20W5	ANSELL	90					8				40			
Low	1-3	6645-30	06-10-052-19W5	PL	03-03-052-19W5	ANSELL	90					4				40			

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							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-3	17793-63	11-08-052-19W5	WE	06-18-052-19W5	ANSELL	90					4				40			
Low	1-3	34354-4	16-18-052-20W5	WE	10-18-052-20W5	MEDICINE LODGE	90					4				40			
Low	1-3	9924-1	08-33-052-21W5	BE	10-33-052-21W5	MEDICINE LODGE										40			
Low	1-3	8730-127	14-28-052-23W5	WE	06-27-052-23W5	DALEHURST	90									80			
Low	1-3	17677-6	07-08-052-23W5	PL	06-07-052-23W5	PEPPERS	90					10				40			
Low	1-3	28206-81	14-17-051-19W5	PL	08-20-051-19W5	ANSELL	90					4				40			
Low	1-3	11079-1	13-19-051-19W5	WE	14-24-051-20W5	ANSELL	90									160			
Low	1-3	3809-16	15-01-048-01W4	PL	15-01-048-01W4	PEMBINA	90					4				40			
Low	1-3	10260-4	13-23-048-16W5	WE	14-27-048-16W5	PECO	90					4				40			
Low	1-3	5456-4	05-16-048-17W5	WE	05-20-048-17W5	MINEHEAD	90									80			
Low	1-3	31258-1	10-04-048-17W5	WE	12-03-048-17W5	MINEHEAD	90					4				40			
Low	1-3	34343-1	01-19-048-17W5	BE	05-20-048-17W5	MINEHEAD										40			
Low	1-3	45738-1	07-06-048-17W5	BE	06-08-048-17W5	HANLAN										80			
Low	1-3	30542-3	11-34-047-17W5	WE	07-03-048-17W5	MINEHEAD	90					4				40			
Low	1-3	19808-2	15-23-047-17W5	WE	07-27-047-17W5	HANLAN	90					4				80			
Low	1-3	16948-1	12-22-047-17W5	WE	09-21-047-17W5	HANLAN	90					4				40			
Low	1-3	2558-5	02-17-045-18W4	PL	16-08-045-18W4	HOLMBERG	90									40			
Low	1-3	21125-1	03-07-045-21W4	BE	04-07-045-21W4	DUHAMEL										20			
Low	1-3	16152-32	10-35-045-27W4	WE	06-35-045-27W4	FERRYBANK	90					4				40			
Low	1-3	23199-14	04-21-044-02W5	WE	11-20-044-02W5	PEMBINA	90					4				40			
Low	1-3	48607-1	16-17-044-02W5	WE	04-21-044-02W5	PEMBINA	90					4				40			
Low	1-3	5262-46	09-30-044-17W4	WE	12-29-044-17W4	HOLMBERG	90					4				20			
Low	1-3	11233-1	14-20-042-09W4	PT	06-29-042-09W4	KILLAM										160			
Low	1-3	41476-2	03-29-042-09W4	PT	06-29-042-09W4	KILLAM										160			
Low	1-3	18099-19	14-30-042-22W4	PL	16-29-042-22W4	BASHAW	90					5				40			
Low	1-3	23889-19	13-27-041-06W5	WE	01-33-041-06W5	WILLEDEN GREEN	90									40			
Low	1-3	30691-2	14-06-041-10W5	PL	13-05-041-10W5	FERRIER	90					4				40			
Low	1-3	5299-31	14-05-040-08W5	WE	09-07-040-08W5	FERRIER	90					4				40			
Low	1-3	10160-130	04-10-040-08W5	WE	16-09-040-08W5	FERRIER	90					4				80			
Low	1-3	17497-135	05-15-040-08W5	WE	16-09-040-08W5	FERRIER	90					15				80			
Low	1-3	30480-137	11-04-040-08W5	PL	11-09-040-08W5	FERRIER	90					10				80			
Low	1-3	49107-142	12-15-040-08W5	PL	05-15-040-08W5	FERRIER	90					10				80			
Low	1-3	9595-143	13-15-040-08W5	WE	12-15-040-08W5	FERRIER	90					4				80			
Low	1-3	29344-8	07-18-040-09W5	GP	01-18-040-09W5	FERRIER	90									40			
Low	1-3	41758-15	05-07-040-09W5	WE	09-12-040-10W5	FERRIER	90					4				40			
Low	1-3	18622-1	09-25-040-10W5	WE	10-24-040-10W5	FERRIER	90					5				40			
Low	1-3	54173-5	11-34-040-10W5	WE	09-25-040-10W5	FERRIER	90					4				40			
Low	1-3	34987-9	10-30-040-10W5	WE	10-29-040-10W5	FERRIER	90					4				40			
Low	1-3	15800-13	03-12-040-10W5	PL	09-11-040-10W5	FERRIER	90					4				40			
Low	1-3	40066-17	10-12-040-10W5	BE	09-12-040-10W5	FERRIER										40			
Low	1-3	19750-20	15-20-040-10W5	WE	10-29-040-10W5	FERRIER	90					4				40			
Low	1-3	32656-5	10-28-040-12W5	BE	12-36-040-12W5	CHAMBERS										40			
Low	1-3	14999-4	01-16-040-22W4	BE	15-09-040-22W4	NEVIS										60			
Low	1-3	39513-1	06-15-040-28W4	BE	14-09-040-28W4	GILBY										160			
Low	1-3	18486-4	12-13-039-06W5	WE	06-24-039-06W5	WILLEDEN GREEN	90					4				40			
Low	1-3	12404-7	15-23-039-06W5	WE	11-23-039-06W5	WILLEDEN GREEN	90					9				40			
Low	1-3	20239-28	12-33-039-06W5	WE	05-34-039-06W5	FERRIER	90					7				40			
Low	1-3	2673-1	01-20-039-07W5	MS	01-20-039-07W5	FERRIER	90									80			
Low	1-3	23050-15	06-19-039-07W5	WE	10-19-039-07W5	FERRIER	90					4				40			
Low	1-3	21926-16	10-19-039-07W5	PL	10-32-039-07W5	FERRIER	90					4				40			
Low	1-3	17428-26	03-30-039-07W5	WE	11-30-039-07W5	FERRIER	90					4				40			
Low	1-3	25400-152	11-04-039-07W5	PL	10-09-039-07W5	WILD RIVER	90					4				80			
Low	1-3	11857-8	14-04-039-07W5	PL	02-09-039-07W5	FERRIER	90					4				20			
Low	1-3	28797-9	03-08-039-07W5	WE	14-05-039-07W5	FERRIER	90					4				40			
Low	1-3	55634-4	10-23-039-08W5	BE	10-24-039-08W5	FERRIER										80			
Low	1-3	28098-7	11-09-039-08W5	WE	01-10-039-08W5	FERRIER	90					4				80			
Low	1-3	11289-153	14-36-039-08W5	B	10-36-039-08W5	FERRIER	90									80			
Low	1-3	27093-154	03-01-039-08W5	B	02-06-039-07W5	FERRIER	90					4				160			
Low	1-3	39873-1	12-31-039-09W5	WE	05-01-040-10W5	FERRIER	90					4				80			
Low	1-3	32397-5	15-09-039-21W4	PL	03-17-039-21W4	VALHALLA	90					4				40			
Low	1-3	25681-13	16-11-038-01W4	BE	02-13-038-01W4	PROVOST										80			
Low	1-3	18193-51	03-09-038-07W5	WE	10-09-038-07W5	Everdell - 3rd Party	90					10				80			
Low	1-3	19677-24	15-25-038-07W5	WE	06-05-039-06W5	FERRIER	90					4				40			
Low	1-3	28786-112	10-26-038-07W5	PL	10-36-038-07W5	FERRIER	90					4				160			
Low	1-3	15601-1	10-36-038-08W5	BE	09-26-038-08W5	FERRIER										40			
Low	1-3	43843-24	11-35-038-08W5	B	10-36-038-08W5	FERRIER	90					4				160			
Low	1-3	34287-25	11-35-038-08W5	B	10-36-038-08W5	FERRIER	90									160			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	1-3	17986-34	14-35-038-08W5	WE	11-35-038-08W5	FERRIER	90									80		
Low	1-3	12928-8	10-36-038-08W5	GP	11-19-038-07W5	FERRIER	90									160		
Low	1-3	10925-28	02-11-038-26W4	PL	02-11-038-26W4	JOFFRE	90						20			20		
Low	1-3	6001-52	08-31-037-07W5	WE	09-31-037-07W5	Everdell - 3rd Party	90									80		
Low	1-3	50454-1	05-19-037-26W4	B	16-09-037-26W4	JOFFRE	90									80		
Low	1-3	19248-161	04-27-037-27W4	PL	06-27-037-27W4	JOFFRE	90									40		
Low	1-3	22016-54	04-02-034-20W4	GP	14-23-033-20W4	ROWLEY	90									80		
Low	1-3	30617-12	11-11-034-20W4	WE	02-14-034-20W4	RICH	90							4		40		
Low	1-3	32408-7	02-14-034-20W4	CS	10-11-034-20W4	RICH	90							4		40		
Low	1-3	19855-3	06-27-033-11W4	BE	15-27-033-11W4	PROVOST	90									40		
Low	1-3	20121-24	12-05-033-12W4	WE	16-06-033-12W4	GARDEN PLAINS	90									80		
Low	1-3	11066-15	16-33-033-12W4	WE	14-28-033-12W4	GARDEN PLAINS	90									160		
Low	1-3	8075-38	06-12-033-12W4	WE	16-02-033-12W4	GARDEN PLAINS	90							4		40		
Low	1-3	7178-72	16-22-033-12W4	WE	01-22-033-12W4	GARDEN PLAINS	90							4		40		
Low	1-3	3474-65	06-17-033-14W4	WE	06-16-033-14W4	HANNA	90							4		40		
Low	1-3	37518-1	13-09-033-21W4	PL	10-09-033-21W4	TROCHU	90									80		
Low	1-3	29742-3	04-10-033-21W4	PL	01-10-033-21W4	TROCHU	90							4		40		
Low	1-3	42864-4	05-02-033-21W4	PL	04-36-032-21W4	TROCHU	90							4		40		
Low	1-3	31054-8	02-10-033-21W4	CS	04-36-032-21W4	TROCHU	90							4		40		
Low	1-3	9185-9	04-13-033-21W4	WE	16-10-033-21W4	TROCHU	90									160		
Low	1-3	25806-16	01-10-033-21W4	PL	05-02-033-21W4	TROCHU	90							4		40		
Low	1-3	39802-18	02-13-033-21W4	WE	04-13-033-21W4	TROCHU	90									80		
Low	1-3	10352-6	10-15-033-21W4	WE	04-15-033-21W4	TROCHU	90							4		40		
Low	1-3	10462-3	16-22-032-12W4	WE	14-22-032-12W4	GARDEN PLAINS	90									80		
Low	1-3	9230-3	07-07-032-13W4	WE	16-06-032-13W4	VERMILION	90									40		
Low	1-3	22270-35	07-13-032-14W4	WE	11-25-032-14W4	HANNA	90						4			40		
Low	1-3	32824-1	04-06-032-19W4	WE	02-06-032-19W4	DELIA	90						4			40		
Low	1-3	17495-5	07-26-032-21W4	PL	10-24-032-21W4	ROWLEY	90							4		40		
Low	1-3	26076-1	04-21-032-21W4	WE	14-21-032-21W4	TROCHU	90							4		40		
Low	1-3	11091-15	10-17-031-11W4	PL	03-17-031-11W4	RACOSTA	90							4		40		
Low	1-3	10391-49	15-04-031-11W4	WE	09-04-031-11W4	RACOSTA	90							4		40		
Low	1-3	28667-2	16-32-031-12W4	WE	01-04-032-12W4	RICHDALE	90							4		40		
Low	1-3	21643-172	11-30-031-15W4	WE	16-30-031-15W4	DOWLING LAKE	90									80		
Low	1-3	16995-54	16-02-031-17W4	PL	01-08-031-16W4	MICHICHI	90							4		80		
Low	1-3	35018-3	05-26-031-19W4	PL	07-26-031-19W4	DELIA	90							5		40		
Low	1-3	22138-10	02-06-030-08W4	WE	02-12-030-09W4	SOUNDING	90							4		40		
Low	1-3	6382-7	15-09-030-22W4	WE	07-09-030-22W4	GHOST PINE	90							4		40		
Low	1-3	37248-1	16-03-029-09W4	PL	01-22-029-09W4	DOBSON	90								9	80		
Low	1-3	37705-6	01-06-028-08W4	WE	03-06-028-08W4	HEATHDALE	90							4		40		
Low	1-3	40811-2	11-10-028-09W4	WE	07-08-028-09W4	HEATHDALE	90							4		40		
Low	1-3	34029-2	13-25-028-09W4	CS	16-03-029-09W4	HEATHDALE	90								20	160		
Low	1-3	8236-80	01-30-028-10W4	BE	03-29-028-10W4	STANMORE	90									40		
Low	1-3	25949-1	09-29-028-12W4	WE	01-20-028-12W4	STANMORE	90							4		40		
Low	1-3	25488-1	12-15-028-17W4	WE	02-21-028-17W4	MICHICHI	90									80		
Low	1-3	18539-88	15-07-028-18W4	PL	02-18-028-18W4	WAYNE-ROSEDALE	90							4		40		
Low	1-3	13064-7	16-32-028-18W4	WE	15-32-028-18W4	AERIAL	90									80		
Low	1-3	37918-2	14-32-028-18W4	WE	11-32-028-18W4	AERIAL	90							4		40		
Low	1-3	38328-42	06-19-027-11W4	WE	04-30-027-11W4	BERRY	90							4		40		
Low	1-3	21936-56	06-08-027-12W4	BE	08-08-027-12W4	BERRY	90									40		
Low	1-3	4183-19	07-11-027-16W4	PL	11-13-027-16W4	CESSFORD	90							4		80		
Low	1-3	42275-10	13-36-027-18W4	PL	04-01-028-18W4	CESSFORD	90									20		
Low	1-3	2603-38	11-04-026-12W4	WE	10-04-026-12W4	CESSFORD	90									80		
Low	1-3	6322-52	11-04-026-12W4	BE	10-04-026-12W4	CESSFORD	90									40		
Low	1-3	44171-1	05-06-026-12W4	WE	04-06-026-12W4	CESSFORD	90							4		40		
Low	1-3	19877-2	04-06-026-12W4	WE	01-01-026-13W4	CESSFORD	90							4		80		
Low	1-3	16564-3	04-06-026-12W4	WE	01-01-026-13W4	CESSFORD	90							4		80		
Low	1-3	45827-4	03-06-026-12W4	WE	04-06-026-12W4	CESSFORD	90							4		80		
Low	1-3	50709-34	01-05-026-12W4	WE	02-05-026-12W4	CESSFORD	90							4		80		
Low	1-3	27716-88	01-04-026-12W4	PL	04-10-026-12W4	CESSFORD	90							4		80		
Low	1-3	45994-38	16-36-026-13W4	BE	14-31-026-12W4	CESSFORD	90									40		
Low	1-3	9434-46	01-26-026-13W4	BE	07-26-026-13W4	CESSFORD	90									40		
Low	1-3	9860-3	14-08-025-10W4	PL	06-05-025-10W4	CESSFORD	90									80		
Low	1-3	6167-30	15-30-025-10W4	BE	11-32-025-10W4	POLLOCKVILLE	90									40		
Low	1-3	2-363	16-15-025-12W4	WE	14-15-025-12W4	CESSFORD	90							4		40		
Low	1-3	1106-6	06-04-025-13W4	WE	08-04-025-13W4	CESSFORD	90							4		40		
Low	1-3	1680-18	06-10-025-13W4	WE	08-09-025-13W4	CESSFORD	90							4		40		
Low	1-3	3199-79	14-26-025-14W4	WE	16-26-025-14W4	CESSFORD	90							4		40		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-3	959-22	06-15-024-11W4	WE	08-16-024-11W4	CESSFORD	90					4				40			
Low	1-3	9276-4	07-23-024-11W4	PL	06-23-024-11W4	CESSFORD	90					4				40			
Low	1-3	2-165	14-22-024-12W4	WE	16-21-024-12W4	CESSFORD	90					4				40			
Low	1-3	35928-13	06-04-024-12W4	WE	08-03-024-12W4	CESSFORD	90					4				40			
Low	1-3	2150-8	13-10-023-10W4	PL	03-06-024-10W4	CESSFORD	90					4				80			
Low	1-3	13911-72	06-36-023-12W4	WE	08-35-023-12W4	CESSFORD	90					4				40			
Low	1-3	8407-62	14-20-023-12W4	PL	16-22-023-12W4	CESSFORD	90					4				40			
Low	1-3	4796-184	12-14-023-14W4	WE	11-14-023-14W4	MATZIWIN	90					4				40			
Low	1-3	2260-1	04-02-023-15W4	CS	07-35-022-15W4	VERGER	90					4				40			
Low	1-3	23937-1	10-09-022-04W5	BE	10-09-022-04W5	NORTH VALLEY										20			
Low	1-3	11652-236	05-24-022-13W4	PL	05-24-022-13W4	VERGER	90					4				20			
Low	1-3	17505-1	07-27-020-03W5	PL	13-27-020-03W5	TURNER VALLEY	90					4				80			
Low	1-3	53645-2	07-27-020-03W5	BE	13-27-020-03W5	TURNER VALLEY										80			
Low	1-3	42351-14	12-27-020-03W5	PL	13-27-020-03W5	TURNER VALLEY	90									40			
Low	1-3	3597-96	01-32-020-11W4	PL	15-28-020-11W4	PRINCESS	90					4				40			
Low	1-3	9945-2	04-13-020-12W4	MS	13-12-020-12W4	PRINCESS										20			
Low	1-3	30611-167	09-13-020-14W4	WE	06-18-020-13W4	BANTRY	90					4				40			
Low	1-3	35231-168	16-12-020-14W4	BE	06-12-020-14W4	BANTRY										40			
Low	1-3	50826-178	15-01-020-14W4	WE	13-01-020-14W4	BANTRY	90					4				40			
Low	1-3	16749-179	04-02-020-14W4	WE	01-03-020-14W4	BANTRY	90					4				40			
Low	1-3	3469-4	04-05-020-23W4	WE	06-17-020-23W4	SHOULDICE	90					4				40			
Low	1-3	8091-107	14-04-019-09W4	WE	06-09-019-09W4	PRINCESS	90									80			
Low	1-3	56353-18	06-21-019-09W4	BE	03-18-019-09W4	JENNER										80			
Low	1-3	7848-227	06-29-019-12W4	PL	14-32-019-12W4	PRINCESS	90					4				40			
Low	1-3	3972-24	16-12-019-13W4	WE	15-12-019-13W4	BANTRY	90					4				40			
Low	1-3	6339-97	03-30-019-13W4	WE	02-30-019-13W4	BANTRY	90					4				80			
Low	1-3	24257-134	12-04-019-13W4	WE	15-05-019-13W4	BANTRY	90					4				40			
Low	1-3	16749-135	12-05-019-13W4	WE	16-06-019-13W4	BANTRY	90					4				40			
Low	1-3	14238-4	10-11-019-14W4	BE	11-11-019-14W4	BANTRY										20			
Low	1-3	25990-132	16-35-019-14W4	WE	01-01-020-14W4	BANTRY	90					4				40			
Low	1-3	45628-155	06-33-019-14W4	WE	10-33-019-14W4	BANTRY	90					4				40			
Low	1-3	8085-172	01-31-019-14W4	WE	03-31-019-14W4	COUNTESS	90					4				40			
Low	1-3	42162-192	16-33-019-14W4	WE	10-33-019-14W4	BANTRY	90					4				40			
Low	1-3	53136-264	07-26-019-14W4	PL	08-26-019-14W4	BANTRY	90					4				20			
Low	1-3	54004-48	06-11-019-14W4	WE	02-12-019-14W4	BANTRY	90					4				80			
Low	1-3	9336-1	06-16-019-20W4	WE	06-14-019-20W4	MAJORVILLE	90						20			160			
Low	1-3	13851-3	01-28-019-23W4	WE	08-28-019-23W4	MILO	90					4				40			
Low	1-3	51070-16	14-04-018-10W4	WE	16-09-018-10W4	ALDERSON	90					4				40			
Low	1-3	18137-104	09-18-018-14W4	WE	09-18-018-14W4	NEWELL	90					4				20			
Low	1-3	3063-14	04-31-018-19W4	GP	06-06-019-19W4	MAJORVILLE	90					4				40			
Low	1-3	7013-192	14-31-017-02W4	WE	14-30-017-02W4	MEDICINE HAT	90									80			
Low	1-3	11757-74	12-24-017-12W4	WE	10-24-017-12W4	BANTRY	90					4				40			
Low	1-3	4942-14	06-32-017-12W4	BE	16-31-017-12W4	BANTRY										80			
Low	1-3	7689-18	16-25-017-13W4	BE	04-31-017-12W4	BANTRY										80			
Low	1-3	4718-24	15-15-015-10W4	WE	14-15-015-10W4	ALDERSON	90					4				40			
Low	1-3	2903-25	04-15-015-10W4	WE	06-15-015-10W4	ALDERSON	90					4				80			
Low	1-3	1240-89	16-02-014-04W4	PL	10-02-014-04W4	MEDICINE HAT	90									40			
Low	1-3	12822-162	13-02-014-04W4	WE	14-01-014-04W4	MEDICINE HAT	90					4				40			
Low	1-3	26297-1	11-25-014-17W4	PL	10-20-014-16W4	ENCHANT	90					4				40			
Low	1-3	760-3	11-12-013-01W4	PL	05-13-013-01W4	MEDICINE HAT	90					4				40			
Low	1-3	634-9	06-24-013-01W4	PL	05-13-013-01W4	MEDICINE HAT	90					4				40			
Low	1-3	17881-39	14-17-013-01W4	WE	06-17-013-01W4	MEDICINE HAT	90					4				40			
Low	1-3	10654-1	12-16-013-01W4	WE	06-16-013-01W4	MEDICINE HAT	90					4				40			
Low	1-3	17757-11	08-11-013-01W4	PL	06-11-013-01W4	MEDICINE HAT	90					4				40			
Low	1-3	36403-18	06-09-013-01W4	WE	16-09-013-01W4	MEDICINE HAT	90					4				40			
Low	1-3	4891-80	01-13-013-04W4	CS	09-26-013-04W4	MEDICINE HAT	90					4				40			
Low	1-3	3833-86	11-10-013-04W4	WE	11-12-013-04W4	MEDICINE HAT	90					4				40			
Low	1-3	5023-207	14-08-013-04W4	WE	10-08-013-04W4	MEDICINE HAT	90					4				40			
Low	1-3	3332-637	03-31-013-10W4	WE	11-31-013-10W4	ALDERSON	90					4				40			
Low	1-3	10659-4	05-18-013-14W4	WE	06-18-013-14W4	HAYS	90					4				80			
Low	1-3	20694-1	11-31-013-14W4	GP	10-22-013-15W4	HAYS										80			
Low	1-3	34178-1	05-08-013-14W4	WE	06-08-013-14W4	HAYS	90					19				40			
Low	1-3	4443-21	14-29-013-15W4	WE	16-30-013-15W4	ENCHANT	90					4				80			
Low	1-3	12355-3	12-12-013-15W4	WE	05-12-013-15W4	HAYS	90					4				40			
Low	1-3	16749-16	06-12-013-15W4	B	05-12-013-15W4	HAYS	90					4				80			
Low	1-3	42445-12	02-06-013-15W4	WE	01-06-013-15W4	HAYS	90					5				40			
Low	1-3	14680-27	16-16-013-16W4	S	08-21-013-16W4	ENCHANT	90									120			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-3	21698-54	13-28-013-26W4	PL	07-29-013-26W4	CLARESHOLM	90					4				40			
Low	1-3	24422-3	06-27-013-26W4	PL	13-28-013-26W4	CLARESHOLM	90					4				80			
Low	1-3	18151-5	13-22-013-26W4	WE	06-27-013-26W4	CLARESHOLM	90					9				40			
Low	1-3	5019-4	11-22-012-07W4	PL	08-23-012-07W4	MEDICINE HAT	90					4				80			
Low	1-3	10460-191	16-09-012-08W4	BE	15-09-012-08W4	MEDICINE HAT										40			
Low	1-3	3737-100	12-19-012-13W4	WE	04-30-012-13W4	BOW ISLAND	90					4				80			
Low	1-3	15249-58	06-21-012-13W4	WE	11-21-012-13W4	BOW ISLAND	90					4				80			
Low	1-3	39595-25	08-13-012-14W4	WE	07-13-012-14W4	GRAND FORKS	90					4				40			
Low	1-3	14196-122	16-32-011-08W4	PL	16-32-011-08W4	MEDICINE HAT	90									20			
Low	1-3	4776-127	09-33-011-13W4	WE	10-33-011-13W4	BOW ISLAND	90					4				40			
Low	1-3	4179-128	16-33-011-13W4	WE	10-33-011-13W4	PROVOST	90					4				80			
Low	1-3	12360-22	14-36-011-17W4	WE	05-06-012-16W4	RETLAW	90					4				80			
Low	1-3	30433-26	15-07-011-17W4	WE	05-07-011-17W4	SEDALIA	90					4				80			
Low	1-3	16690-10	16-23-011-18W4	BE	06-23-011-18W4	RETLAW										80			
Low	1-3	14958-1	14-17-011-19W4	BE	12-20-011-19W4	RETLAW										40			
Low	1-3	6629-223	13-11-010-17W4	WE	14-11-010-17W4	TABER NORTH	90					4				80			
Low	1-3	21440-56	10-03-010-17W4	BE	12-03-010-17W4	TABER NORTH										80			
Low	1-3	14077-94	12-03-010-17W4	PL	16-04-010-17W4	TABER NORTH	90					4				80			
Low	1-3	15403-26	06-20-010-18W4	WE	04-20-010-18W4	RETLAW	90					4				80			
Low	1-3	12924-27	06-19-010-18W4	PL	06-30-010-18W4	RETLAW	90					4				80			
Low	1-3	19261-10	06-30-010-18W4	S	14-30-010-18W4	RETLAW	90					4				80			
Low	1-3	18891-47	01-16-009-17W4	WE	02-16-009-17W4	TBC	90					4				80			
Low	1-3	7044-368	15-19-007-16W4	PL	02-19-007-16W4	TABER SOUTH	90					4				80			
Low	1-3	54594-385	06-30-007-16W4	WE	02-30-007-16W4	TABER SOUTH	90					4				80			
Low	1-3	17216-106	08-14-006-17W4	S	07-14-006-17W4	TBC	90					4				40			
Low	1-3	14178-107	02-14-006-17W4	WE	04-14-006-17W4	TBC	90					4				80			
		0-																	
Low	1-2	33986-1	13-14-118-12W6	WE	16-15-118-12W6	SHEKILIE WEST	90					4				20			
Low	1-2	13329-84	15-28-099-11W6	PL	15-28-099-11W6	PEDIGREE	90					6				20			
Low	1-2	28913-2	12-32-098-07W6	BE	08-31-098-07W6	CHINCHAGA										20			
Low	1-2	37809-3	08-31-098-07W6	BE	12-32-098-07W6	CHINCHAGA										20			
Low	1-2	16414-2	05-02-080-08W5	PL	12-02-080-08W5	NIPISI										20			
Low	1-2	6484-3	12-02-080-08W5	PL	12-02-080-08W5	NIPISI										20			
Low	1-2	3039-4	12-02-080-08W5	PL	12-03-080-08W5	NIPISI										40			
Low	1-2	19859-10	10-02-080-08W5	PL	12-01-080-08W5	NIPISI										40			
Low	1-2	16414-11	05-03-080-08W5	BE	07-04-080-08W5	NIPISI										40			
Low	1-2	10132-31	11-10-080-08W5	PL	11-10-080-08W5	NIPISI										20			
Low	1-2	8511-32	05-15-080-08W5	PL	12-15-080-08W5	NIPISI										20			
Low	1-2	18643-33	13-16-080-08W5	PL	12-21-080-08W5	NIPISI										40			
Low	1-2	16617-34	13-16-080-08W5	PL	12-16-080-08W5	NIPISI										20			
Low	1-2	4458-35	12-16-080-08W5	PL	05-16-080-08W5	NIPISI										20			
Low	1-2	19251-36	13-17-080-08W5	PL	12-20-080-08W5	NIPISI										40			
Low	1-2	13577-37	13-17-080-08W5	PL	12-17-080-08W5	NIPISI										40			
Low	1-2	11145-39	12-17-080-08W5	PL	06-17-080-08W5	NIPISI										20			
Low	1-2	20062-41	12-18-080-08W5	PL	05-18-080-08W5	NIPISI										20			
Low	1-2	13982-42	11-02-080-08W5	PL	07-02-080-08W5	NIPISI										40			
Low	1-2	28246-1	14-02-080-08W5	BE	15-02-080-08W5	NIPISI										20			
Low	1-2	6856-5	15-31-080-09W5	BE	11-31-080-09W5	NIPISI										40			
Low	1-2	2012-7	12-28-080-09W5	BE	16-33-080-09W5	NIPISI										40			
Low	1-2	15456-1	12-27-080-09W5	BE	08-33-080-09W5	NIPISI										80			
Low	1-2	15575-20	10-02-080-17W5	BE	09-02-080-17W5	DAWSON										80			
Low	1-2	28365-19	02-32-080-22W4	WE	01-32-080-22W4	BRINTNELL										60			
Low	1-2	26646-35	12-28-080-22W4	PL	10-17-080-22W4	BRINTNELL										160			
Low	1-2	12320-43	12-28-080-22W4	PL	15-28-080-22W4	BRINTNELL										80			
Low	1-2	23208-46	02-36-080-22W4	PL	01-36-080-22W4	BRINTNELL										20			
Low	1-2	7080-22	15-13-079-04W4	BE	10-13-079-04W4	HARDY										20			
Low	1-2	12495-25	02-14-079-04W4	BE	02-14-079-04W4	HARDY										20			
Low	1-2	15989-22	15-01-079-06W4	PL	16-01-079-06W4	CHARD	90					4				20			
Low	1-2	3836-39	12-03-079-06W4	PL	12-03-079-06W4	CHARD	90									20			
Low	1-2	4620-11	10-04-079-08W5	WE	07-09-079-08W5	NIPISI	90					4				80			
Low	1-2	5479-18	14-36-079-08W5	BE	12-31-079-07W5	NIPISI										160			
Low	1-2	6079-6	12-35-079-08W5	PL	12-34-079-08W5	NIPISI										40			
Low	1-2	15806-8	12-26-079-08W5	BE	10-27-079-08W5	NIPISI										40			
Low	1-2	20062-12	05-34-079-08W5	PL	12-33-079-08W5	NIPISI										40			
Low	1-2	6079-13	04-34-079-08W5	PL	12-28-079-08W5	NIPISI										40			
Low	1-2	15604-15	12-35-079-08W5	PL	12-36-079-08W5	NIPISI										40			
Low	1-2	2634-16	04-35-079-08W5	PL	12-25-079-08W5	NIPISI										40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION			
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d		
Low	1-2	9371-3	09-01-078-11W6	PL	08-12-078-11W6	POUCE COUPE SOUTH												40		
Low	1-2	17729-4	01-01-078-11W6	PL	03-01-078-11W6	POUCE COUPE SOUTH												80		
Low	1-2	2725-1	08-13-078-11W6	PL	13-13-078-11W6	POUCE COUPE SOUTH												40		
Low	1-2	16624-1	08-13-078-11W6	PL	13-18-078-10W6	POUCE COUPE SOUTH												80		
Low	1-2	5541-8	16-12-078-11W6	CS	06-07-078-10W6	POUCE COUPE SOUTH												80		
Low	1-2	17446-9	15-32-078-11W6	B	14-33-078-11W6	POUCE COUPE SOUTH												80		
Low	1-2	5815-12	15-32-078-11W6	CS	16-29-078-11W6	POUCE COUPE SOUTH												80		
Low	1-2	6161-1	11-21-078-11W6	PL	16-20-078-11W6	POUCE COUPE SOUTH												40		
Low	1-2	36729-5	08-04-078-11W6	PL	05-04-078-11W6	POUCE COUPE SOUTH												40		
Low	1-2	20878-33	04-34-078-25W5	BE	04-34-078-25W5	EAGLESHAM NORTH												20		
Low	1-2	28341-1	04-34-078-25W5	GP	04-34-078-25W5	EAGLESHAM NORTH	90											40		
Low	1-2	55641-8	13-25-077-01W6	BE	13-25-077-01W6	CINDY												20		
Low	1-2	45613-2	10-32-077-02W5	BE	15-25-077-03W5	DOUCETTE												40		
Low	1-2	16759-32	11-18-077-08W6	PL	06-19-077-08W6	PROGRESS												40		
Low	1-2	19007-40	07-18-077-08W6	PL	06-17-077-08W6	PROGRESS												40		
Low	1-2	5518-23	07-33-077-09W6	PL	15-34-077-09W6	PROGRESS												40		
Low	1-2	9197-24	10-27-077-09W6	PL	06-22-077-09W6	PROGRESS												40		
Low	1-2	14715-26	06-22-077-09W6	PL	16-15-077-09W6	PROGRESS												80		
Low	1-2	18598-28	12-24-077-09W6	PL	11-18-077-08W6	PROGRESS												160		
Low	1-2	18598-35	12-24-077-09W6	PL	02-25-077-09W6	PROGRESS												40		
Low	1-2	13080-39	07-33-077-09W6	WE	12-03-078-09W6	PROGRESS												80		
Low	1-2	10423-42	15-15-077-09W6	PL	04-15-077-09W6	PROGRESS												80		
Low	1-2	12875-59	15-34-077-09W6	BE	05-02-078-09W6	PROGRESS												40		
Low	1-2	19770-15	02-30-077-09W6	B	02-30-077-09W6	PROGRESS	90											40		
Low	1-2	11564-1	14-17-077-09W6	B	06-17-077-09W6	PROGRESS												60		
Low	1-2	7838-1	15-15-077-09W6	PL	04-15-077-09W6	PROGRESS												80		
Low	1-2	43831-1	14-17-077-09W6	B	08-08-077-09W6	PROGRESS												80		
Low	1-2	11574-1	16-19-077-10W6	PL	09-22-077-11W6	POUCE COUPE SOUTH												160		
Low	1-2	26306-2	16-19-077-10W6	PL	14-06-077-10W6	POUCE COUPE SOUTH												80		
Low	1-2	6839-7	04-08-077-10W6	PL	06-05-077-10W6	POUCE COUPE SOUTH												80		
Low	1-2	25253-28	14-06-077-10W6	PL	07-01-077-11W6	POUCE COUPE SOUTH												80		
Low	1-2	12626-37	04-08-077-10W6	BE	10-08-077-10W6	POUCE COUPE SOUTH												40		
Low	1-2	18677-43	14-06-077-10W6	PL	16-31-076-10W6	POUCE COUPE SOUTH												160		
Low	1-2	3682-45	06-06-077-10W6	PL	01-01-077-11W6	POUCE COUPE SOUTH												80		
Low	1-2	9869-1	04-08-077-10W6	PL	04-09-077-10W6	POUCE COUPE SOUTH												160		
Low	1-2	25421-2	13-04-077-10W6	PL	11-34-076-10W6	POUCE COUPE SOUTH												80		
Low	1-2	12301-1	15-36-077-10W6	GP	06-35-077-10W6	PROGRESS												80		
Low	1-2	14546-1	04-09-077-10W6	PL	11-02-077-10W6	POUCE COUPE SOUTH												80		
Low	1-2	23802-2	04-08-077-10W6	PL	04-09-077-10W6	POUCE COUPE SOUTH												40		
Low	1-2	15427-7	06-03-077-10W6	WE	12-34-076-10W6	POUCE COUPE SOUTH												40		
Low	1-2	23802-8	11-02-077-10W6	PL	06-31-076-09W6	POUCE COUPE SOUTH												80		
Low	1-2	22921-13	06-03-077-10W6	PL	01-09-077-10W6	POUCE COUPE SOUTH												80		
Low	1-2	6611-14	13-04-077-10W6	PL	01-05-077-10W6	POUCE COUPE SOUTH												40		
Low	1-2	34945-1	16-36-077-10W6	CS	08-03-077-10W6	PROGRESS												80		
Low	1-2	32033-4	10-26-077-10W6	PL	04-27-077-10W6	PROGRESS												80		
Low	1-2	15625-1	16-19-077-10W6	MS	02-25-077-11W6	POUCE COUPE SOUTH												40		
Low	1-2	4472-4	09-22-077-11W6	PL	06-15-077-11W6	POUCE COUPE SOUTH												160		
Low	1-2	22623-5	06-15-077-11W6	PL	14-09-077-11W6	POUCE COUPE SOUTH												160		
Low	1-2	19729-22	08-04-077-11W6	PL	16-33-076-11W6	POUCE COUPE SOUTH												40		
Low	1-2	4472-39	07-01-077-11W6	B	14-25-076-11W6	POUCE COUPE SOUTH												160		
Low	1-2	8680-49	06-15-077-11W6	PL	16-09-077-11W6	POUCE COUPE SOUTH												80		
Low	1-2	3682-54	10-05-077-11W6	PL	08-07-077-11W6	POUCE COUPE SOUTH												160		
Low	1-2	21833-56	08-07-077-11W6	PL	15-12-077-12W6	POUCE COUPE SOUTH												160		
Low	1-2	3156-68	11-24-077-11W6	PL	01-24-077-11W6	POUCE COUPE SOUTH												40		
Low	1-2	5240-5	12-34-077-11W6	BE	05-34-077-11W6	POUCE COUPE SOUTH												20		
Low	1-2	21326-1	14-34-077-11W6	PL	08-03-078-11W6	POUCE COUPE SOUTH												80		
Low	1-2	33174-2	14-34-077-11W6	PL	02-34-077-11W6	POUCE COUPE SOUTH												40		
Low	1-2	53881-2	02-25-077-11W6	PL	07-35-077-11W6	POUCE COUPE SOUTH												40		
Low	1-2	20474-3	07-35-077-11W6	PL	12-36-077-11W6	POUCE COUPE SOUTH												40		
Low	1-2	22630-4	07-35-077-11W6	PL	14-34-077-11W6	POUCE COUPE SOUTH												40		
Low	1-2	7004-5	14-34-077-11W6	PL	08-04-078-11W6	POUCE COUPE SOUTH												40		
Low	1-2	9159-6	06-35-077-11W6	PL	02-02-078-11W6	POUCE COUPE SOUTH												40		
Low	1-2	6313-66	15-12-077-12W6	PL	04-12-077-12W6	POUCE COUPE SOUTH												40		
Low	1-2	51142-1	15-14-077-26W5	WE	15-14-077-26W5	EAGLESHAM	90											20		
Low	1-2	9067-13	08-05-076-07W6	PL	08-08-076-07W6	VALHALLA						4						80		
Low	1-2	38722-2	05-29-076-08W6	PL	13-29-076-08W6	VALHALLA												40		
Low	1-2	23139-3	01-18-076-08W6	PL	05-29-076-08W6	VALHALLA												40		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	6611-4	04-06-076-08W6	PL	01-18-076-08W6	VALHALLA										40			
Low	1-2	28409-1	09-04-076-08W6	BE	06-21-076-08W6	VALHALLA										160			
Low	1-2	27472-12	06-06-076-08W6	WE	04-06-076-08W6	VALHALLA	90					5				20			
Low	1-2	10578-9	06-31-076-09W6	PL	12-30-076-09W6	VALHALLA										80			
Low	1-2	28711-3	11-34-076-10W6	PL	04-26-076-10W6	VALHALLA										80			
Low	1-2	9869-4	04-26-076-10W6	PL	11-25-076-10W6	VALHALLA										160			
Low	1-2	6613-4	06-27-076-10W6	PL	02-33-076-10W6	VALHALLA										160			
Low	1-2	36847-6	02-33-076-10W6	PL	16-20-076-10W6	POUCE COUPE SOUTH										40			
Low	1-2	32123-7	02-33-076-10W6	PL	11-33-076-10W6	POUCE COUPE SOUTH										40			
Low	1-2	38681-1	16-20-076-10W6	PL	01-19-076-10W6	VALHALLA										160			
Low	1-2	25400-19	15-26-076-10W6	PL	14-26-076-10W6	VALHALLA	90					4				20			
Low	1-2	19203-20	16-33-076-11W6	PL	01-09-076-11W6	POUCE COUPE SOUTH										160			
Low	1-2	16572-42	01-09-076-11W6	PL	06-05-076-11W6	POUCE COUPE SOUTH										160			
Low	1-2	22886-47	01-09-076-11W6	PL	03-10-076-11W6	POUCE COUPE SOUTH										80			
Low	1-2	9996-48	01-09-076-11W6	BE	15-09-076-11W6	POUCE COUPE SOUTH										40			
Low	1-2	14205-51	04-09-076-11W6	PL	12-09-076-11W6	POUCE COUPE SOUTH										80			
Low	1-2	9733-53	05-09-076-11W6	PL	03-17-076-11W6	POUCE COUPE SOUTH										80			
Low	1-2	19729-55	14-25-076-11W6	PL	11-13-076-11W6	POUCE COUPE SOUTH										160			
Low	1-2	20518-58	11-13-076-11W6	PL	09-14-076-11W6	POUCE COUPE SOUTH										40			
Low	1-2	21307-60	11-13-076-11W6	PL	13-12-076-11W6	POUCE COUPE SOUTH										80			
Low	1-2	8154-61	03-17-076-11W6	PL	12-16-076-11W6	POUCE COUPE SOUTH										80			
Low	1-2	2893-69	03-10-076-11W6	PL	01-02-076-11W6	POUCE COUPE SOUTH										40			
Low	1-2	19203-71	03-13-076-11W6	PL	13-07-076-10W6	POUCE COUPE SOUTH										40			
Low	1-2	19631-1	01-09-076-11W6	PL	02-01-076-12W6	POUCE COUPE SOUTH										160			
Low	1-2	29606-3	03-05-076-11W6	PL	13-31-075-11W6	VALHALLA										160			
Low	1-2	49637-1	01-09-076-11W6	CS	14-03-076-11W6	POUCE COUPE SOUTH										80			
Low	1-2	23046-1	07-20-076-12W4	WE	07-20-076-12W4	CLYDEN	90					4				20			
Low	1-2	28282-2	02-01-076-12W6	PL	06-10-076-12W6	POUCE COUPE SOUTH										80			
Low	1-2	23624-6	02-01-076-12W6	PL	16-12-076-12W6	POUCE COUPE SOUTH										160			
Low	1-2	13970-3	02-06-076-15W4	MS	02-06-076-15W4	DUNCAN	90					4				20			
Low	1-2	23836-186	05-33-076-15W4	PL	01-32-076-15W4	DUNCAN	90					7				20			
Low	1-2	9772-191	08-18-076-15W4	CS	08-18-076-15W4	CLYDEN	90					4				20			
Low	1-2	28694-26	06-14-076-15W4	PL	06-14-076-15W4	DUNCAN	90					4				20			
Low	1-2	4554-4	14-11-076-25W4	PL	12-16-076-25W4	MARTEN HILLS										40			
Low	1-2	8294-3	06-07-076-25W4	PL	10-18-076-25W4	MARTEN HILLS										40			
Low	1-2	6563-1	06-20-075-01W5	WE	06-19-075-01W5	MARTEN HILLS										80			
Low	1-2	32507-3	12-25-075-06W6	PL	09-23-075-06W6	RYCROFT										40			
Low	1-2	17902-4	09-23-075-06W6	S	01-23-075-06W6	RYCROFT										40			
Low	1-2	18512-2	15-28-075-07W6	PL	11-33-075-07W6	SADDLE HILLS										40			
Low	1-2	23046-3	11-33-075-07W6	PL	16-32-075-07W6	SADDLE HILLS										80			
Low	1-2	27202-5	05-12-075-07W6	PL	09-28-075-07W6	LA GLACE										160			
Low	1-2	25691-12	11-33-075-07W6	PL	15-34-075-07W6	SADDLE HILLS										80			
Low	1-2	11334-14	11-33-075-07W6	PL	11-03-076-07W6	SADDLE HILLS										80			
Low	1-2	6800-17	11-33-075-07W6	PL	04-04-076-07W6	SADDLE HILLS										40			
Low	1-2	44757-1	16-25-075-07W6	PL	13-30-075-06W6	SADDLE HILLS										80			
Low	1-2	9324-3	09-04-075-08W4	PL	05-03-075-08W4	SINCLAIR										40			
Low	1-2	18101-4	07-04-075-08W4	PL	10-04-075-08W4	SINCLAIR										20			
Low	1-2	53754-5	10-04-075-08W4	PL	02-04-075-08W4	SINCLAIR										40			
Low	1-2	20295-7	12-05-075-08W4	PL	09-04-075-08W4	WOOD RIVER										40			
Low	1-2	10970-9	02-06-075-08W4	B	09-06-075-08W4	WOOD RIVER										40			
Low	1-2	21940-10	09-04-075-08W4	PL	13-03-075-08W4	WILD RIVER										20			
Low	1-2	13164-11	07-06-075-08W4	PL	07-06-075-08W4	WILD RIVER										20			
Low	1-2	19780-1	08-09-075-08W6	PL	14-03-075-08W6	VALHALLA										80			
Low	1-2	12040-2	10-28-075-08W6	PL	15-21-075-08W6	VALHALLA										80			
Low	1-2	16053-3	10-28-075-08W6	PL	03-32-075-08W6	VALHALLA										160			
Low	1-2	10893-4	15-21-075-08W6	WE	03-22-075-08W6	VALHALLA										80			
Low	1-2	10320-5	14-03-075-08W6	WE	15-34-074-08W6	VALHALLA										160			
Low	1-2	21213-6	02-11-075-08W6	PL	14-11-075-08W6	VALHALLA										80			
Low	1-2	5446-10	15-02-075-08W6	PL	04-11-075-08W6	VALHALLA										40			
Low	1-2	18060-14	14-03-075-08W6	PL	03-03-075-08W5	VALHALLA										80			
Low	1-2	22716-30	05-29-075-09W6	PL	03-29-075-09W6	VALHALLA	90					4				20			
Low	1-2	50188-31	02-27-075-09W6	PL	02-27-075-09W6	VALHALLA	90					4				20			
Low	1-2	26392-2	09-19-075-10W6	PL	02-29-075-10W6	VALHALLA										40			
Low	1-2	23596-46	04-19-075-11W4	BE	05-19-075-11W4	CLYDEN										20			
Low	1-2	23020-15	11-01-075-11W6	PL	16-13-075-11W6	VALHALLA										80			
Low	1-2	19854-20	09-02-075-11W6	PL	13-04-075-11W6	VALHALLA										160			
Low	1-2	16977-22	08-03-075-11W6	PL	15-10-075-11W6	VALHALLA										80			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	25034-23	01-13-075-11W6	PL	01-14-075-11W6	VALHALLA											160		
Low	1-2	3453-25	13-04-075-11W6	BE	02-08-075-11W6	VALHALLA											40		
Low	1-2	14973-2	13-31-075-11W6	PL	12-25-075-12W6	VALHALLA											80		
Low	1-2	6806-5	13-31-075-11W6	PL	16-31-075-11W6	VALHALLA											40		
Low	1-2	26926-1	15-10-075-11W6	PL	11-15-075-11W6	VALHALLA											80		
Low	1-2	27617-4	03-31-075-12W6	B	12-30-075-12W6	SINCLAIR											80		
Low	1-2	9649-5	12-30-075-12W6	PL	15-19-075-12W6	SINCLAIR											80		
Low	1-2	23291-7	13-06-075-12W6	PL	13-01-075-13W6	SINCLAIR											160		
Low	1-2	20962-12	04-18-075-12W6	PL	13-18-075-12W6	SINCLAIR											80		
Low	1-2	18633-15	13-18-075-12W6	PL	15-19-075-12W6	SINCLAIR											40		
Low	1-2	26286-16	15-19-075-12W6	PL	04-29-075-12W6	SINCLAIR											40		
Low	1-2	15638-17	04-29-075-12W6	PL	13-21-075-12W6	SINCLAIR											40		
Low	1-2	9188-1	08-36-075-12W6	PL	13-31-075-11W6	SINCLAIR											80		
Low	1-2	17894-2	07-25-075-13W4	BE	11-25-075-13W4	CLYDEN											20		
Low	1-2	33274-8	13-01-075-13W6	PL	04-01-075-13W6	SINCLAIR											80		
Low	1-2	8983-9	04-01-075-13W6	PL	05-02-075-13W6	SINCLAIR											80		
Low	1-2	28282-10	13-01-075-13W6	PL	04-13-075-13W6	SINCLAIR											80		
Low	1-2	22293-11	04-13-075-13W6	PL	04-18-075-12W6	SINCLAIR											80		
Low	1-2	41476-1	12-16-075-13W6	BE	06-20-075-13W6	SINCLAIR											40		
Low	1-2	7945-9	10-09-075-24W4	WE	14-11-076-25W4	MARTEN HILLS											80		
Low	1-2	9477-1	07-02-074-04W6	GP	16-35-073-04W6	TEEPPEE											40		
Low	1-2	11246-13	11-04-074-05W6	PL	14-15-073-05W6	WEBSTER											80		
Low	1-2	5682-5	12-29-074-06W6	BE	11-29-074-06W6	LA GLACE											20		
Low	1-2	6906-12	11-29-074-06W6	BE	14-29-074-06W6	LA GLACE											20		
Low	1-2	15306-2	08-08-074-06W6	PL	10-04-074-06W6	LA GLACE											80		
Low	1-2	26169-9	11-18-074-06W6	PL	11-18-074-06W6	LA GLACE	90							4			20		
Low	1-2	11514-10	14-25-074-07W6	PL	14-25-074-07W6	LA GLACE	90							10			20		
Low	1-2	18774-9	03-11-074-08W4	PL	13-10-074-08W4	KIRBY											40		
Low	1-2	14609-61	01-16-074-08W4	BE	13-10-074-08W4	KIRBY											20		
Low	1-2	47172-1	02-30-074-08W4	MS	10-26-074-09W4	KIRBY											80		
Low	1-2	28523-2	02-30-074-08W4	PL	14-31-074-08W4	KIRBY											40		
Low	1-2	16127-9	12-06-074-09W6	PL	14-31-073-09W6	WEMBLEY											80		
Low	1-2	17683-1	08-27-074-09W6	PL	12-16-074-09W6	VALHALLA											80		
Low	1-2	6801-2	14-21-074-09W6	PL	08-29-074-09W6	VALHALLA											40		
Low	1-2	13299-2	04-24-074-10W4	BE	06-23-074-10W4	KIRBY											40		
Low	1-2	20592-3	06-23-074-10W4	BE	08-22-074-10W4	KIRBY											40		
Low	1-2	17739-6	04-02-074-10W6	BE	04-02-074-10W6	WEMBLEY											20		
Low	1-2	12210-15	06-11-074-10W6	PL	04-11-074-10W6	WEMBLEY	90							4			20		
Low	1-2	26014-1	04-27-074-10W6	PL	12-26-074-10W6	WEMBLEY											80		
Low	1-2	17438-2	11-28-074-10W6	PL	04-27-074-10W6	WEMBLEY											40		
Low	1-2	19725-3	11-28-074-10W6	PL	03-21-074-10W6	WEMBLEY											80		
Low	1-2	22297-4	11-28-074-10W6	PL	09-29-074-10W6	WEMBLEY											40		
Low	1-2	8290-5	04-27-074-10W6	PL	12-23-074-10W6	WEMBLEY											80		
Low	1-2	15151-6	12-23-074-10W6	B	07-23-074-10W6	WEMBLEY											80		
Low	1-2	5145-9	09-29-074-10W6	B	03-29-074-10W6	WEMBLEY											80		
Low	1-2	18128-1	16-30-074-10W6	PL	16-35-074-11W6	WEMBLEY											80		
Low	1-2	15683-1	07-28-074-10W6	B	08-29-074-10W6	WEMBLEY											80		
Low	1-2	12667-3	08-29-074-10W6	WE	11-32-074-10W6	WEMBLEY											80		
Low	1-2	18397-4	16-30-074-10W6	PL	11-32-074-10W6	WEMBLEY											80		
Low	1-2	6977-1	10-14-074-10W6	PL	11-01-074-10W6	WEMBLEY											80		
Low	1-2	23787-3	05-01-074-10W6	PL	09-34-073-10W6	WEMBLEY											80		
Low	1-2	12052-8	07-23-074-10W6	PL	15-14-074-10W6	WEMBLEY											40		
Low	1-2	5633-2	01-01-074-10W6	PL	02-25-073-10W6	WEMBLEY											160		
Low	1-2	13676-1	11-01-074-10W6	PL	12-06-074-09W6	WEMBLEY											80		
Low	1-2	47908-10	08-09-074-10W6	BE	09-09-074-10W6	WEMBLEY											20		
Low	1-2	10890-1	10-01-074-10W6	WE	16-36-073-10W6	WEMBLEY											40		
Low	1-2	8632-2	16-35-074-11W6	PL	11-01-075-11W6	WEMBLEY											80		
Low	1-2	11222-3	16-35-074-11W6	PL	16-34-074-11W6	WEMBLEY											80		
Low	1-2	10071-5	11-34-074-11W6	PL	09-33-074-11W6	WEMBLEY											40		
Low	1-2	13236-7	11-34-074-11W6	PL	02-27-074-11W6	WEMBLEY											80		
Low	1-2	7481-8	02-27-074-11W6	PL	02-22-074-11W6	WEMBLEY											40		
Low	1-2	13236-9	15-22-074-11W6	PL	14-21-074-11W6	WEMBLEY											80		
Low	1-2	21293-10	12-36-074-11W6	PL	06-25-074-11W6	WEMBLEY											160		
Low	1-2	24458-11	02-27-074-11W6	PL	04-26-074-11W6	WEMBLEY											80		
Low	1-2	8057-18	16-34-074-11W6	PL	02-03-075-11W6	WEMBLEY											80		
Low	1-2	23225-2	06-02-074-11W6	BE	07-03-074-11W6	WEMBLEY											40		
Low	1-2	13610-8	05-11-074-11W6	PL	05-11-074-11W6	WEMBLEY	90							4			20		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	9799-9	05-11-074-11W6	PL	05-11-074-11W6	WEMBLEY	90					4				20			
Low	1-2	25943-1	10-03-074-12W4	WE	09-02-074-12W4	IPHATIK										40			
Low	1-2	16925-3	02-04-074-12W6	PL	13-33-073-12W6	SINCLAIR										80			
Low	1-2	5309-1	14-22-074-12W6	PL	12-27-074-12W6	SINCLAIR										40			
Low	1-2	31192-5	09-02-074-21W4	BE	08-02-074-21W4	CHERPETA										20			
Low	1-2	1769-12	10-31-073-03W6	PL	11-06-074-03W6	TEEPPE										80			
Low	1-2	4169-3	16-35-073-04W6	PL	10-31-073-03W6	TEEPPE										40			
Low	1-2	20233-1	06-26-073-04W6	PL	07-22-073-04W6	TEEPPE										80			
Low	1-2	21309-1	11-14-073-04W6	WE	10-15-073-04W6	TEEPPE										40			
Low	1-2	15006-2	10-15-073-04W6	WE	07-22-073-04W6	TEEPPE										80			
Low	1-2	34093-1	15-35-073-04W6	PL	06-26-073-04W6	TEEPPE										160			
Low	1-2	3917-14	14-15-073-05W6	PL	03-27-072-05W6	CLAIR										160			
Low	1-2	4116-1	12-14-073-05W6	PL	06-13-073-05W6	CLAIR										160			
Low	1-2	9997-2	14-15-073-05W6	BE	12-14-073-05W6	CLAIR										80			
Low	1-2	27015-1	06-13-073-05W6	WE	15-12-073-05W6	CLAIR										80			
Low	1-2	21329-1	15-20-073-06W6	PL	10-17-074-06W6	GRANDE PRAIRIE										160			
Low	1-2	21830-4	14-29-073-06W6	PL	14-28-073-06W6	GRANDE PRAIRIE										80			
Low	1-2	18066-5	15-20-073-06W6	PL	07-22-073-06W6	GRANDE PRAIRIE										160			
Low	1-2	14553-7	15-20-073-06W6	PL	06-16-073-06W6	GRANDE PRAIRIE										40			
Low	1-2	6324-1	14-29-073-06W6	PL	12-33-073-06W6	GRANDE PRAIRIE										160			
Low	1-2	9320-8	05-32-073-06W6	PL	03-32-073-06W6	GRANDE PRAIRIE										80			
Low	1-2	3954-14	08-31-073-06W6	PL	08-36-073-07W6	GRANDE PRAIRIE										80			
Low	1-2	6094-1	05-29-073-06W6	PL	09-30-073-06W6	GRANDE PRAIRIE										40			
Low	1-2	32090-1	09-10-073-06W6	B	07-13-073-06W6	GRANDE PRAIRIE										160			
Low	1-2	19176-1	01-12-073-06W6	PL	16-36-072-06W6	CLAIR										80			
Low	1-2	52779-1	09-10-073-06W6	B	04-23-073-06W6	GRANDE PRAIRIE										40			
Low	1-2	17826-3	11-29-073-07W4	PL	06-36-073-08W4	KIRBY										80			
Low	1-2	13766-2	07-29-073-07W4	PL	10-29-073-07W4	KIRBY										20			
Low	1-2	26856-1	12-21-073-07W4	B	12-21-073-07W4	KIRBY										20			
Low	1-2	34913-2	12-21-073-07W4	PL	07-29-073-07W4	KIRBY										40			
Low	1-2	40821-3	12-21-073-07W4	PL	07-21-073-07W4	KIRBY										40			
Low	1-2	23096-4	12-21-073-07W4	PL	05-21-073-07W4	KIRBY										20			
Low	1-2	52101-6	11-21-073-07W4	PL	11-21-073-07W4	KIRBY										20			
Low	1-2	34913-7	07-21-073-07W4	PL	02-21-073-07W4	KIRBY										20			
Low	1-2	52638-9	07-29-073-07W4	PL	07-29-073-07W4	KIRBY										20			
Low	1-2	53175-10	07-21-073-07W4	PL	02-28-073-07W4	KIRBY										40			
Low	1-2	10309-1	14-21-073-07W4	B	15-21-073-07W4	KIRBY										20			
Low	1-2	55794-2	15-21-073-07W4	PL	02-28-073-07W4	KIRBY										20			
Low	1-2	34181-1	08-36-073-07W6	PL	10-35-073-07W6	LA GLACE										160			
Low	1-2	45835-1	08-36-073-07W6	PL	01-02-074-07W6	LA GLACE										80			
Low	1-2	13843-4	06-36-073-08W4	PL	03-11-074-08W4	KIRBY										80			
Low	1-2	14313-1	15-03-073-08W6	PL	07-09-073-08W6	WEMBLEY										40			
Low	1-2	5204-2	15-03-073-08W6	PL	16-34-072-08W6	WEMBLEY										160			
Low	1-2	15614-8	15-03-073-08W6	PL	15-04-073-08W6	WEMBLEY										40			
Low	1-2	18431-18	02-07-073-08W6	PL	02-12-073-09W6	WEMBLEY										40			
Low	1-2	37532-1	06-12-073-08W6	PL	11-02-073-08W6	WEMBLEY										40			
Low	1-2	10608-1	06-12-073-08W6	PL	04-01-073-08W6	WEMBLEY										80			
Low	1-2	37659-2	04-01-073-08W6	PL	05-35-072-08W6	WEMBLEY										40			
Low	1-2	6681-1	08-23-073-09W6	PL	05-28-073-09W6	WEMBLEY										80			
Low	1-2	2995-2	05-28-073-09W6	PL	06-32-073-09W6	WEMBLEY										80			
Low	1-2	7602-4	06-32-073-09W6	WE	08-31-073-09W6	WEMBLEY										80			
Low	1-2	19352-6	06-32-073-09W6	PL	11-33-073-09W6	WEMBLEY										80			
Low	1-2	11980-7	08-31-073-09W6	PL	14-31-073-09W6	WEMBLEY										80			
Low	1-2	8063-8	05-28-073-09W6	CS	05-27-073-09W6	WEMBLEY										80			
Low	1-2	4377-10	06-20-073-09W6	PL	05-21-073-09W6	WEMBLEY										40			
Low	1-2	14975-11	06-15-073-09W6	S	06-11-073-09W6	WEMBLEY										40			
Low	1-2	5759-12	06-11-073-09W6	PL	06-12-073-09W6	WEMBLEY										40			
Low	1-2	20274-13	08-11-073-09W6	PL	02-07-073-08W6	WEMBLEY										40			
Low	1-2	19352-15	06-20-073-09W6	PL	10-30-073-09W6	WEMBLEY										40			
Low	1-2	19813-17	10-30-073-09W6	PL	05-31-073-09W6	WEMBLEY										40			
Low	1-2	13823-19	02-12-073-09W6	PL	04-12-073-09W6	WEMBLEY										40			
Low	1-2	4838-20	04-12-073-09W6	PL	03-11-073-09W6	WEMBLEY										40			
Low	1-2	14975-21	03-11-073-09W6	PL	02-10-073-09W6	WEMBLEY										40			
Low	1-2	9150-3	06-15-073-09W6	PL	04-14-073-09W6	WEMBLEY										40			
Low	1-2	36603-4	06-15-073-09W6	S	14-16-073-09W6	WEMBLEY										40			
Low	1-2	15251-5	14-16-073-09W6	PL	14-17-073-09W6	WEMBLEY										40			
Low	1-2	36603-6	14-17-073-09W6	PL	06-20-073-09W6	WEMBLEY										40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	9150-9	03-15-073-09W6	S	04-22-073-09W6	WEMBLEY										40			
Low	1-2	34697-11	06-15-073-09W6	B	12-14-073-09W6	WEMBLEY										40			
Low	1-2	14489-12	11-33-073-09W6	PL	14-33-073-09W6	WEMBLEY										40			
Low	1-2	45070-4	06-18-073-09W6	PL	09-08-073-09W6	WEMBLEY										40			
Low	1-2	18309-6	06-18-073-09W6	B	10-07-073-09W6	WEMBLEY										40			
Low	1-2	14947-2	13-29-073-10W6	WE	12-29-073-10W6	WEMBLEY	90					4				20			
Low	1-2	3894-1	11-18-073-10W6	PL	16-01-073-11W6	WEMBLEY										80			
Low	1-2	19471-7	11-07-073-10W6	BE	09-06-073-10W6	WEMBLEY										80			
Low	1-2	9912-13	09-06-073-10W6	BE	07-05-073-10W6	WEMBLEY										80			
Low	1-2	34694-20	06-08-073-10W6	PL	11-07-073-10W6	WEMBLEY										40			
Low	1-2	25525-2	15-21-073-10W6	PL	16-30-074-10W6	WEMBLEY										160			
Low	1-2	3595-3	15-21-073-10W6	PL	11-18-073-10W6	WEMBLEY										160			
Low	1-2	27682-4	11-18-073-10W6	PL	09-12-073-11W6	WEMBLEY										160			
Low	1-2	32355-7	11-18-073-10W6	PL	13-19-073-10W6	WEMBLEY										160			
Low	1-2	28760-8	13-19-073-10W6	PL	13-31-073-10W6	WEMBLEY										160			
Low	1-2	34272-1	02-25-073-10W6	B	06-18-073-09W6	WEMBLEY										40			
Low	1-2	16901-5	02-25-073-10W6	B	15-23-073-10W6	WEMBLEY										160			
Low	1-2	26772-1	16-27-073-11W6	PL	02-35-073-11W6	WEMBLEY										80			
Low	1-2	5021-1	02-35-073-11W6	BE	06-02-074-11W6	WEMBLEY										160			
Low	1-2	30069-1	16-27-073-11W6	WE	01-26-073-11W6	WEMBLEY										80			
Low	1-2	12391-2	16-01-073-11W6	PL	15-36-072-11W6	WEMBLEY										80			
Low	1-2	34872-5	09-12-073-11W6	WE	07-07-073-10W6	WEMBLEY										40			
Low	1-2	25130-1	16-18-073-12W6	BE	16-18-073-12W6	SINCLAIR										20			
Low	1-2	5524-54	08-20-073-14W4	WE	07-20-073-14W4	NIXON	90					4				20			
Low	1-2	7941-154	01-24-073-17W4	PL	01-24-073-17W4	NIXON	90									20			
Low	1-2	5390-6	08-13-073-25W4	PL	09-13-073-25W4	VIKING-KINSELLA	90					4				20			
Low	1-2	30194-1	04-09-072-03W6	PL	14-21-072-03W6	MANIR										80			
Low	1-2	15251-11	02-19-072-04W6	PL	08-17-072-04W6	GRANDE PRAIRIE										160			
Low	1-2	22876-12	08-17-072-04W6	PL	06-16-072-04W6	GRANDE PRAIRIE										80			
Low	1-2	25983-13	06-16-072-04W6	PL	10-10-072-04W6	GRANDE PRAIRIE										80			
Low	1-2	14969-5	11-17-072-04W6	WE	11-17-072-04W6	GRANDE PRAIRIE	90									20			
Low	1-2	23341-1	10-10-072-04W6	PL	07-02-072-04W6	GRANDE PRAIRIE										80			
Low	1-2	11751-18	03-27-072-05W6	B	09-03-072-05W6	GRANDE PRAIRIE										80			
Low	1-2	12709-17	08-33-072-05W6	PL	02-19-072-04W6	GRANDE PRAIRIE										80			
Low	1-2	23571-1	03-27-072-05W6	CS	06-25-072-05W6	GRANDE PRAIRIE										160			
Low	1-2	20135-2	16-36-072-06W6	PL	06-36-072-06W6	GRANDE PRAIRIE										80			
Low	1-2	17566-9	14-34-072-08W6	PL	16-33-072-08W6	WEMBLEY										40			
Low	1-2	2385-17	05-15-072-08W6	B	03-17-072-08W6	WEMBLEY										80			
Low	1-2	4091-3	14-27-072-08W6	S	03-27-072-08W6	WEMBLEY										40			
Low	1-2	22877-8	11-14-072-08W6	B	04-15-072-08W6	WEMBLEY										40			
Low	1-2	9215-3	01-30-072-08W6	BE	06-20-072-08W6	WEMBLEY										40			
Low	1-2	32637-6	01-30-072-08W6	B	01-31-072-08W6	WEMBLEY										80			
Low	1-2	35152-10	08-01-072-09W6	PL	03-02-072-09W6	WEMBLEY										80			
Low	1-2	21906-11	08-01-072-09W6	PL	13-33-071-08W6	WEMBLEY										80			
Low	1-2	10620-8	15-30-072-10W6	PL	16-11-072-11W6	WEMBLEY										160			
Low	1-2	33632-10	12-07-072-10W6	PL	10-31-071-10W6	WEMBLEY										80			
Low	1-2	28322-12	06-18-072-10W6	PL	12-07-072-10W6	SINCLAIR										80			
Low	1-2	4602-17	06-30-072-10W6	PL	01-25-072-11W6	SINCLAIR										40			
Low	1-2	18614-27	05-13-072-11W6	WE	06-13-072-11W6	SINCLAIR	90					4				20			
Low	1-2	4136-32	12-05-072-11W6	WE	11-05-072-11W6	SINCLAIR						5				20			
Low	1-2	26905-27	14-13-072-11W6	WE	14-13-072-11W6	SINCLAIR	90					4				20			
Low	1-2	35048-3	15-36-072-11W6	PL	15-30-072-10W6	WEMBLEY										160			
Low	1-2	12391-4	15-36-072-11W6	WE	04-06-073-10W6	WEMBLEY										80			
Low	1-2	32570-14	04-13-072-11W6	PL	06-28-071-11W6	SINCLAIR										320			
Low	1-2	30446-15	05-34-072-11W6	PL	12-27-072-11W6	SINCLAIR										40			
Low	1-2	26198-19	15-36-072-11W6	PL	08-02-073-11W6	WEMBLEY										80			
Low	1-2	24428-21	10-23-072-11W6	PL	08-23-072-11W6	SINCLAIR										40			
Low	1-2	12037-22	08-23-072-11W6	PL	03-24-072-11W6	SINCLAIR										40			
Low	1-2	20887-23	03-24-072-11W6	PL	14-13-072-11W6	SINCLAIR										20			
Low	1-2	38369-1	15-36-072-11W6	BE	10-23-072-11W6	WEMBLEY										80			
Low	1-2	3368-93	14-02-072-15W4	PL	14-02-072-15W4	NIXON	90					4				20			
Low	1-2	7098-106	06-18-072-16W4	PL	06-18-072-16W4	NIXON						4				20			
Low	1-2	7886-43	08-13-072-17W4	PL	05-18-072-16W4	NIXON										20			
Low	1-2	7196-35	13-12-072-26W5	WE	05-13-072-26W5	KLESKUN							4			80			
Low	1-2	31049-6	05-17-071-01W5	WE	05-17-071-01W5	DECRENE							4			20			
Low	1-2	8467-9	07-20-071-01W5	WE	07-20-071-01W5	DECRENE										20			
Low	1-2	45162-13	07-28-071-01W5	WE	02-28-071-01W5	DECRENE	90									20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	14113-14	12-34-071-01W5	WE	12-34-071-01W5	PETER	90					4				20			
Low	1-2	35565-31	02-28-071-01W5	PL	07-28-071-01W5	DECRENE	90					4				20			
Low	1-2	2638-26	05-21-071-02W5	BE	11-21-071-02W5	DECRENE										20			
Low	1-2	34436-28	09-32-071-02W5	WE	11-33-071-02W5	DECRENE	90									20			
Low	1-2	11613-48	14-34-071-03W5	WE	03-03-072-03W5	MITSUE	90					4				20			
Low	1-2	12226-12	13-33-071-08W6	PL	15-28-071-08W6	WEMBLEY										80			
Low	1-2	6338-1	12-03-071-09W6	BE	15-04-071-09W6	ELMWORTH										40			
Low	1-2	28921-2	15-04-071-09W6	BE	09-31-070-09W6	ELMWORTH										160			
Low	1-2	33279-3	08-05-071-09W6	BE	14-05-071-09W6	ELMWORTH										80			
Low	1-2	6113-7	07-34-071-09W6	PL	12-27-071-09W6	WEMBLEY										40			
Low	1-2	6767-22	04-35-071-10W4	CS	04-35-071-10W4	IPIATIK	90					4				20			
Low	1-2	10949-159	13-33-071-17W4	CS	13-33-071-17W4	CALLING LAKE	90					4				20			
Low	1-2	9296-1	14-14-071-20W4	CS	14-14-071-20W4	CALLING LAKE WEST	90					4				20			
Low	1-2	10144-1	05-28-071-23W5	WE	05-28-071-23W5	STURGEON LAKE	90					4				40			
Low	1-2	12177-17	11-21-071-23W5	BE	11-21-071-23W5	STURGEON LAKE										40			
Low	1-2	21151-2	09-29-071-23W5	WE	10-29-071-23W5	STURGEON LAKE	90					4				20			
Low	1-2	6759-13	07-02-070-08W6	PL	05-02-070-08W6	ELMWORTH										40			
Low	1-2	6759-14	05-02-070-08W6	PL	02-03-070-08W6	ELMWORTH										40			
Low	1-2	4506-15	02-03-070-08W6	PL	03-03-070-08W6	ELMWORTH										40			
Low	1-2	29666-16	03-03-070-08W6	PL	01-04-070-08W6	ELMWORTH										40			
Low	1-2	31168-17	01-04-070-08W6	PL	01-06-070-08W6	ELMWORTH										40			
Low	1-2	16763-2	10-32-070-09W6	WE	10-32-070-09W6	ELMWORTH	90					4				20			
Low	1-2	7700-35	09-11-070-11W4	PL	09-11-070-11W4	MILLS	90					4				20			
Low	1-2	13788-61	14-14-070-11W4	PL	14-14-070-11W4	MILLS	90					4				20			
Low	1-2	27639-9	04-06-069-04W6	WE	05-06-069-04W6	ELMWORTH	90					4				20			
Low	1-2	3522-2	05-09-069-05W6	PL	10-34-069-05W6	ELMWORTH										160			
Low	1-2	17632-1	10-34-069-05W6	PL	04-02-070-05W6	ELMWORTH										40			
Low	1-2	13079-6	05-05-069-05W6	WE	05-05-069-05W6	WAYNE-ROSEDALE	90					4				20			
Low	1-2	26551-9	16-24-069-06W6	PL	15-24-069-06W6	ELMWORTH	90					4				20			
Low	1-2	18469-1	07-07-069-06W6	BE	08-07-069-06W6	ELMWORTH										20			
Low	1-2	18648-3	01-16-069-06W6	WE	07-16-069-06W6	ELMWORTH	90					4				20			
Low	1-2	30602-5	07-16-069-06W6	WE	06-16-069-06W6	ELMWORTH	90									20			
Low	1-2	15162-247	02-07-069-07W6	PL	02-07-069-07W6	ELMWORTH	90									20			
Low	1-2	7447-44	16-06-069-07W6	WE	01-07-069-07W6	ELMWORTH	90					4				20			
Low	1-2	11261-5	08-14-069-07W6	WE	08-14-069-07W6	ELMWORTH	90					4				20			
Low	1-2	15727-1	07-17-069-07W6	BE	07-17-069-07W6	ELMWORTH										20			
Low	1-2	6773-159	04-02-069-07W6	WE	13-35-068-07W6	ELMWORTH	90					4				20			
Low	1-2	36185-1	10-01-069-09W6	BE	10-36-068-09W6	ELMWORTH										40			
Low	1-2	28821-3	15-09-069-09W6	PL	15-08-069-09W6	ELMWORTH										40			
Low	1-2	29355-4	15-08-069-09W6	PL	08-07-069-09W6	ELMWORTH										40			
Low	1-2	6208-69	03-09-069-10W6	WE	03-09-069-10W6	ELMWORTH	90					4				20			
Low	1-2	9852-5	15-01-069-16W4	PL	15-01-069-16W4	CHARRON	90									20			
Low	1-2	86-1	06-05-069-21W5	BE	02-06-069-21W5	STURGEON LAKE SOUTH										40			
Low	1-2	160-4	04-06-069-21W5	PL	03-06-069-21W5	STURGEON LAKE SOUTH										20			
Low	1-2	1650-26	09-06-069-21W5	PL	11-05-069-21W5	STURGEON LAKE SOUTH										60			
Low	1-2	2043-41	02-06-069-21W5	PL	09-06-069-21W5	STURGEON LAKE SOUTH										40			
Low	1-2	2335-7	11-05-069-21W5	B	03-05-069-21W5	STURGEON LAKE SOUTH										40			
Low	1-2	2626-2	07-06-069-21W5	PL	09-06-069-21W5	STURGEON LAKE SOUTH										40			
Low	1-2	5815-3	09-06-069-21W5	PL	06-05-069-21W5	STURGEON LAKE SOUTH										40			
Low	1-2	7524-4	12-05-069-21W5	S	13-05-069-21W5	STURGEON LAKE SOUTH	90					4				80			
Low	1-2	4579-7	14-05-069-21W5	PL	11-05-069-21W5	STURGEON LAKE SOUTH										40			
Low	1-2	37341-3	15-05-069-21W5	WE	06-08-069-21W5	STURGEON LAKE SOUTH	90					4				80			
Low	1-2	41440-4	11-07-069-21W5	WE	08-12-069-22W5	STURGEON LAKE SOUTH	90									80			
Low	1-2	9237-6	11-06-069-21W5	PL	12-06-069-21W5	STURGEON LAKE SOUTH	90					4				40			
Low	1-2	19737-1	08-20-069-22W4	WE	08-20-069-22W4	CROOKED	90									40			
Low	1-2	1684-18	12-09-069-22W5	PL	11-09-069-22W5	STURGEON LAKE SOUTH										40			
Low	1-2	5512-19	11-09-069-22W5	PL	09-09-069-22W5	STURGEON LAKE SOUTH										40			
Low	1-2	13765-2	06-01-069-22W5	PL	08-12-069-22W5	STURGEON LAKE SOUTH										80			
Low	1-2	21547-8	02-11-069-22W5	S	15-02-069-22W5	STURGEON LAKE SOUTH										20			
Low	1-2	12696-2	09-10-069-22W5	BE	12-11-069-22W5	STURGEON LAKE SOUTH										20			
Low	1-2	3138-25	11-01-069-24W5	PL	10-01-069-24W5	STURGEON LAKE SOUTH										20			
Low	1-2	3445-34	08-24-068-01W6	PL	05-24-068-27W5	ELMWORTH										40			
Low	1-2	2449-7	02-03-068-03W6	PL	09-01-068-03W6	ELMWORTH										40			
Low	1-2	3138-9	09-01-068-03W6	PL	04-09-068-02W6	ELMWORTH										40			
Low	1-2	10829-59	14-08-068-04W4	B	06-08-068-04W4	FISHER										60			
Low	1-2	12118-60	06-08-068-04W4	PL	11-05-068-04W4	FISHER										40			
Low	1-2	7219-61	14-08-068-04W4	B	06-17-068-04W4	FISHER										40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	12892-62	06-17-068-04W4	PL	06-20-068-04W4	FISHER										80			
Low	1-2	6446-65	11-20-068-04W4	PL	08-30-068-04W4	FISHER										80			
Low	1-2	3352-67	03-02-068-04W4	PL	01-15-068-04W4	FISHER										80			
Low	1-2	17275-68	01-15-068-04W4	PL	03-08-068-04W4	FISHER										160			
Low	1-2	18823-69	04-11-068-04W4	PL	03-11-068-04W4	FISHER										20			
Low	1-2	20885-77	02-15-068-04W4	PL	02-22-068-04W4	FISHER										40			
Low	1-2	17018-79	02-22-068-04W4	PL	01-21-068-04W4	FISHER										40			
Low	1-2	24753-81	03-22-068-04W4	PL	03-27-068-04W4	FISHER										40			
Low	1-2	23206-83	03-27-068-04W4	PL	01-28-068-04W4	FISHER										20			
Low	1-2	8251-92	08-30-068-04W4	PL	12-32-068-04W4	FISHER										40			
Low	1-2	14181-94	12-32-068-04W4	PL	11-32-068-04W4	FISHER										40			
Low	1-2	9024-96	11-32-068-04W4	PL	06-34-068-04W4	FISHER										80			
Low	1-2	3281-4	12-16-068-04W4	BE	03-17-068-04W4	FISHER										80			
Low	1-2	35794-32	06-28-068-04W4	WE	11-28-068-04W4	PROVOST	90				4					20			
Low	1-2	1534-4	10-05-068-04W6	CS	10-03-068-04W6	ELMWORTH										80			
Low	1-2	3298-6	10-05-068-04W6	CS	10-32-067-04W6	ELMWORTH										40			
Low	1-2	2531-14	07-04-068-04W6	PL	16-04-068-04W6	ELMWORTH										40			
Low	1-2	4909-18	10-05-068-04W6	BE	06-17-068-04W6	ELMWORTH										40			
Low	1-2	3605-20	10-05-068-04W6	CS	15-31-067-04W6	ELMWORTH										40			
Low	1-2	15844-3	06-03-068-04W6	PL	15-34-067-04W6	ELMWORTH										40			
Low	1-2	23991-1	07-04-068-04W6	BE	07-04-068-04W6	ELMWORTH										20			
Low	1-2	20880-23	15-26-068-05W4	BE	15-26-068-05W4	FISHER										20			
Low	1-2	14019-34	10-03-068-05W4	BE	10-02-068-05W4	FISHER										80			
Low	1-2	12033-4	07-20-068-05W6	PL	09-30-068-05W6	ELMWORTH										80			
Low	1-2	25026-7	13-14-068-06W6	PL	13-14-068-06W6	ELMWORTH					4					20			
Low	1-2	17996-12	15-14-068-06W6	PL	14-14-068-06W6	ELMWORTH	90				4					20			
Low	1-2	11481-4	05-19-068-06W6	WE	05-19-068-06W6	ELMWORTH	90				4					20			
Low	1-2	19239-23	04-32-068-06W6	WE	03-32-068-06W6	ELMWORTH	90				4					20			
Low	1-2	37260-1	03-11-068-06W6	WE	07-11-068-06W6	ELMWORTH	90				4					20			
Low	1-2	10062-1	14-14-068-06W6	PL	15-14-068-06W6	ELMWORTH	90				4					20			
Low	1-2	13653-43	13-11-068-07W6	WE	03-14-068-07W6	WAPITI	90				4					20			
Low	1-2	20480-45	08-24-068-07W6	PL	07-24-068-07W6	ELMWORTH	90				4					20			
Low	1-2	30720-46	07-24-068-07W6	B	08-24-068-07W6	ELMWORTH	90				4					20			
Low	1-2	4463-2	09-22-068-07W6	WE	09-22-068-07W6	WAPITI	90				4					20			
Low	1-2	31525-1	13-36-068-07W6	WE	12-36-068-07W6	ELMWORTH	90				4					20			
Low	1-2	7230-1	08-24-068-07W6	WE	07-24-068-07W6	ELMWORTH	90									40			
Low	1-2	56443-39	07-04-068-07W6	BE	06-04-068-07W6	WAPITI										20			
Low	1-2	33301-78	07-36-068-07W6	WE	10-36-068-07W6	ELMWORTH	90				5					20			
Low	1-2	40638-157	06-27-068-07W6	PL	06-27-068-07W6	ELMWORTH	90				10					20			
Low	1-2	23706-173	06-27-068-07W6	PL	06-27-068-07W6	ELMWORTH	90									20			
Low	1-2	6283-16	13-02-068-07W6	WE	14-02-068-07W6	WAPITI	90									20			
Low	1-2	34994-153	13-25-068-08W6	BE	12-25-068-08W6	WAPITI										20			
Low	1-2	6208-172	15-31-068-08W6	WE	10-31-068-08W6	ELMWORTH	90				4					20			
Low	1-2	7460-3	08-36-068-09W6	WE	08-36-068-09W6	ELMWORTH	90				4					20			
Low	1-2	22577-77	10-02-068-09W6	WE	15-02-068-09W6	WAPITI	90				4					20			
Low	1-2	32736-68	12-35-068-10W6	WE	09-34-068-10W6	ELMWORTH	90				4					20			
Low	1-2	45304-30	03-05-068-11W6	WE	03-05-068-11W6	WAPITI	90				4					20			
Low	1-2	2078-161	05-26-068-13W4	PL	04-26-068-13W4	TWEEDIE	90				4					20			
Low	1-2	8058-54	10-27-068-13W4	MS	10-27-068-13W4	TWEEDIE	90									20			
Low	1-2	7876-163	11-25-068-14W4	WE	12-25-068-14W4	TWEEDIE	90									20			
Low	1-2	3103-11	14-31-068-21W5	PL	02-06-069-21W5	STURGEON LAKE SOUTH					4					40			
Low	1-2	628-27	14-31-068-21W5	PL	06-31-068-21W5	STURGEON LAKE SOUTH										40			
Low	1-2	2239-31	14-31-068-21W5	PL	14-31-068-21W5	STURGEON LAKE SOUTH										20			
Low	1-2	3732-21	13-36-068-22W5	PS	13-36-068-22W5	STURGEON LAKE SOUTH										20			
Low	1-2	7275-4	11-25-068-22W5	BE	14-24-068-22W5	STURGEON LAKE SOUTH										40			
Low	1-2	3592-6	14-24-068-22W5	BE	05-24-068-22W5	STURGEON LAKE SOUTH										40			
Low	1-2	1837-13	05-19-068-26W5	PL	15-21-068-26W5	ELMWORTH										40			
Low	1-2	5742-28	16-21-068-26W5	PL	14-23-068-26W5	ELMWORTH										40			
Low	1-2	6354-29	15-21-068-26W5	PL	16-21-068-26W5	ELMWORTH										20			
Low	1-2	3674-30	14-23-068-26W5	PL	14-23-068-26W5	ELMWORTH										20			
Low	1-2	6737-33	05-24-068-27W5	PL	05-19-068-26W5	ELMWORTH										40			
Low	1-2	3941-1	05-14-067-02W5	GP	12-14-067-02W5	BIG BEND	90									40			
Low	1-2	6488-10	04-06-067-02W5	BE	04-06-067-02W5	AKUINU										20			
Low	1-2	16422-23	04-06-067-02W5	BE	04-06-067-02W5	BIG BEND										20			
Low	1-2	8921-24	04-06-067-02W5	BE	04-06-067-02W5	BIG BEND										20			
Low	1-2	18307-4	04-14-067-03W4	PL	12-14-067-03W4	MOORE										40			
Low	1-2	17204-5	03-14-067-03W4	PL	06-11-067-03W4	MOORE										40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	20292-6	06-11-067-03W4	PL	08-12-067-03W4	MOORE										160			
Low	1-2	16983-8	05-12-067-03W4	PL	13-01-067-03W4	MOORE										40			
Low	1-2	16763-10	08-12-067-03W4	PL	16-01-067-03W4	MOORE										40			
Low	1-2	16763-12	03-14-067-03W4	PL	07-27-067-03W4	MOORE										80			
Low	1-2	13234-13	12-14-067-03W4	PL	09-14-067-03W4	MOORE										40			
Low	1-2	17645-14	09-14-067-03W4	PL	05-13-067-03W4	MOORE										40			
Low	1-2	17425-15	09-14-067-03W4	PL	04-24-067-03W4	MOORE										40			
Low	1-2	14557-16	05-14-067-03W4	PL	02-15-067-03W4	MOORE										40			
Low	1-2	4857-5	11-02-067-03W4	BE	14-02-067-03W4	MOORE										20			
Low	1-2	2224-10	09-09-067-04W4	BE	07-08-067-04W4	LEMING										40			
Low	1-2	8251-1	10-05-067-04W4	B	13-09-067-04W4	MOORE										80			
Low	1-2	3867-2	10-05-067-04W4	PL	12-05-067-04W4	MOORE										80			
Low	1-2	6704-3	12-05-067-04W4	PL	09-06-067-04W4	MOORE										40			
Low	1-2	15986-5	09-06-067-04W4	PL	09-07-067-04W4	MOORE										80			
Low	1-2	3867-6	16-06-067-04W4	PL	15-06-067-04W4	MOORE										20			
Low	1-2	17533-7	16-06-067-04W4	PL	13-05-067-04W4	MOORE										20			
Low	1-2	14697-8	08-07-067-04W4	PL	08-07-067-04W4	MOORE										20			
Low	1-2	13408-9	08-07-067-04W4	PL	05-08-067-04W4	MOORE										20			
Low	1-2	11603-10	09-07-067-04W4	PL	15-07-067-04W4	MOORE										20			
Low	1-2	18307-11	09-07-067-04W4	PL	13-08-067-04W4	MOORE										20			
Low	1-2	11087-12	09-07-067-04W4	PL	16-19-067-04W4	MOORE										80			
Low	1-2	25785-13	01-18-067-04W4	PL	01-18-067-04W4	MOORE										20			
Low	1-2	5930-14	01-18-067-04W4	PL	04-17-067-04W4	MOORE										20			
Low	1-2	14439-15	09-18-067-04W4	PL	09-18-067-04W4	MOORE										20			
Low	1-2	17791-16	09-18-067-04W4	PL	12-17-067-04W4	MOORE										20			
Low	1-2	12634-17	16-18-067-04W4	PL	16-18-067-04W4	MOORE										20			
Low	1-2	21401-18	16-18-067-04W4	PL	13-17-067-04W4	MOORE										20			
Low	1-2	12376-19	08-19-067-04W4	PL	08-19-067-04W4	MOORE										20			
Low	1-2	19338-20	08-19-067-04W4	PL	05-20-067-04W4	MOORE										20			
Low	1-2	10314-21	16-19-067-04W4	PL	16-19-067-04W4	MOORE										20			
Low	1-2	17275-22	16-19-067-04W4	PL	13-20-067-04W4	MOORE										20			
Low	1-2	22948-23	16-19-067-04W4	PL	09-30-067-04W4	MOORE										40			
Low	1-2	5157-24	01-30-067-04W4	PL	01-30-067-04W4	MOORE										20			
Low	1-2	4641-25	01-30-067-04W4	PL	04-29-067-04W4	MOORE										20			
Low	1-2	15471-26	09-30-067-04W4	PL	09-30-067-04W4	MOORE										20			
Low	1-2	12118-27	09-30-067-04W4	PL	12-29-067-04W4	MOORE										20			
Low	1-2	19080-28	09-30-067-04W4	PL	01-31-067-04W4	MOORE										60			
Low	1-2	3867-29	01-31-067-04W4	PL	09-31-067-04W4	MOORE										40			
Low	1-2	3867-30	01-31-067-04W4	PL	01-31-067-04W4	MOORE										20			
Low	1-2	23722-31	01-31-067-04W4	PL	04-32-067-04W4	MOORE										20			
Low	1-2	21143-32	09-31-067-04W4	PL	09-31-067-04W4	MOORE										20			
Low	1-2	11087-33	09-31-067-04W4	PL	12-32-067-04W4	MOORE										20			
Low	1-2	9282-36	04-10-067-04W4	PL	03-10-067-04W4	MOORE										40			
Low	1-2	13150-37	12-10-067-04W4	PL	09-09-067-04W4	MOORE										20			
Low	1-2	3867-38	12-10-067-04W4	PL	11-10-067-04W4	MOORE										40			
Low	1-2	11345-39	12-03-067-04W4	PL	09-04-067-04W4	MOORE										20			
Low	1-2	22432-40	12-03-067-04W4	PL	11-03-067-04W4	MOORE										20			
Low	1-2	4641-41	05-03-067-04W4	PL	08-04-067-04W4	MOORE										20			
Low	1-2	6961-42	05-03-067-04W4	PL	06-03-067-04W4	MOORE										20			
Low	1-2	18565-43	12-03-067-04W4	PL	05-03-067-04W4	MOORE										40			
Low	1-2	19080-44	04-10-067-04W4	PL	12-03-067-04W4	MOORE										60			
Low	1-2	24237-45	04-10-067-04W4	PL	12-10-067-04W4	MOORE										40			
Low	1-2	14697-46	12-10-067-04W4	PL	04-15-067-04W4	MOORE										60			
Low	1-2	19338-47	04-15-067-04W4	PL	03-15-067-04W4	MOORE										20			
Low	1-2	24753-48	04-15-067-04W4	PL	01-16-067-04W4	MOORE										20			
Low	1-2	12118-49	04-15-067-04W4	PL	13-15-067-04W4	MOORE										40			
Low	1-2	13666-50	13-15-067-04W4	PL	14-15-067-04W4	MOORE										20			
Low	1-2	15728-51	13-15-067-04W4	PL	16-16-067-04W4	MOORE										20			
Low	1-2	11087-52	13-15-067-04W4	PL	04-22-067-04W4	MOORE										40			
Low	1-2	11345-53	04-22-067-04W4	PL	06-22-067-04W4	MOORE										20			
Low	1-2	13666-54	04-22-067-04W4	PL	08-21-067-04W4	MOORE										20			
Low	1-2	13666-55	04-22-067-04W4	PL	13-22-067-04W4	MOORE										60			
Low	1-2	21659-56	13-22-067-04W4	PL	03-26-067-04W4	MOORE										80			
Low	1-2	12892-57	03-26-067-04W4	PL	03-35-067-04W4	MOORE										40			
Low	1-2	21401-58	03-35-067-04W4	PL	03-02-068-04W4	MOORE										80			
Low	1-2	2836-63	04-15-067-04W4	PL	01-15-067-04W4	MOORE										80			
Low	1-2	5157-64	01-15-067-04W4	PL	01-22-067-04W4	MOORE										40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	7477-70	09-21-067-04W4	PL	04-34-067-04W4	FISHER											80		
Low	1-2	5157-72	04-34-067-04W4	PL	14-34-067-04W4	MOORE											80		
Low	1-2	11861-73	08-28-067-04W4	PL	01-29-067-04W4	MOORE											80		
Low	1-2	25785-74	12-10-067-04W4	PL	11-02-067-04W4	MOORE											40		
Low	1-2	22432-75	02-10-067-04W4	PL	01-10-067-04W4	MOORE											20		
Low	1-2	17791-85	13-06-067-04W4	PL	12-06-067-04W4	MOORE											20		
Low	1-2	7477-89	11-05-067-04W4	PL	12-05-067-04W4	MOORE											40		
Low	1-2	19441-2	10-05-067-04W4	B	01-06-067-04W4	MOORE											80		
Low	1-2	9036-5	07-05-067-04W4	MS	07-05-067-04W4	GILBY											20		
Low	1-2	12870-3	04-05-067-04W4	PL	04-05-067-04W4	MOORE											20		
Low	1-2	22180-7	12-05-067-04W4	BE	12-05-067-04W4	MOORE											20		
Low	1-2	7667-14	08-07-067-04W4	BE	05-08-067-04W4	MOORE											20		
Low	1-2	26561-16	09-07-067-04W4	BE	13-08-067-04W4	MOORE											20		
Low	1-2	23275-30	08-19-067-04W4	BE	07-19-067-04W4	MOORE											20		
Low	1-2	12596-31	08-19-067-04W4	BE	05-20-067-04W4	MOORE											20		
Low	1-2	27109-35	09-19-067-04W4	BE	10-19-067-04W4	MOORE											20		
Low	1-2	25740-36	09-19-067-04W4	BE	11-20-067-04W4	MOORE											20		
Low	1-2	2756-20	10-30-067-04W6	PL	16-30-067-04W6	STURGEON LAKE SOUTH											40		
Low	1-2	3368-26	10-30-067-04W6	PL	16-30-067-04W6	ELMWORTH											40		
Low	1-2	3828-27	10-30-067-04W6	PL	16-30-067-04W6	ELMWORTH											40		
Low	1-2	3221-1	04-34-067-04W6	WE	08-33-067-04W6	ELMWORTH											40		
Low	1-2	5062-8	04-34-067-04W6	MS	04-34-067-04W6	ELMWORTH											20		
Low	1-2	3451-13	04-34-067-04W6	BE	16-33-067-04W6	ELMWORTH											40		
Low	1-2	4909-15	04-34-067-04W6	PL	10-34-067-04W6	ELMWORTH											80		
Low	1-2	5062-23	08-33-067-04W6	PL	07-05-068-04W6	ELMWORTH											40		
Low	1-2	26555-11	04-07-067-04W6	WE	04-07-067-04W6	ELMWORTH	90										20		
Low	1-2	9100-6	13-03-067-05W4	BE	07-10-067-05W4	LEMING											40		
Low	1-2	13144-20	06-28-067-05W4	BE	10-22-067-05W4	FISHER											40		
Low	1-2	9540-87	09-11-067-05W4	PL	10-11-067-05W4	LEMING											20		
Low	1-2	24237-88	13-12-067-05W4	PL	13-12-067-05W4	LEMING											20		
Low	1-2	4383-99	07-16-067-05W4	PL	07-16-067-05W4	FISHER											20		
Low	1-2	1378-1	11-26-067-05W6	GP	10-30-067-04W6	ELMWORTH											40		
Low	1-2	17316-1	13-26-067-05W6	GP	05-09-069-05W6	ELMWORTH											160		
Low	1-2	4032-2	09-20-067-05W6	PL	12-26-067-05W6	ELMWORTH	90										160		
Low	1-2	26886-3	13-26-067-05W6	PL	12-22-067-05W6	ELMWORTH											80		
Low	1-2	12332-2	16-35-067-06W6	PL	15-35-067-06W6	ELMWORTH	90										20		
Low	1-2	17504-12	01-27-067-06W6	WE	01-27-067-06W6	ELMWORTH	90										20		
Low	1-2	4773-24	02-23-067-06W6	WE	02-23-067-06W6	ELMWORTH	90										20		
Low	1-2	9867-1	12-17-067-06W6	WE	12-17-067-06W6	ELMWORTH	90										20		
Low	1-2	6012-1	08-11-067-06W6	PL	03-19-066-05W6	ELMWORTH											80		
Low	1-2	25399-84	05-35-067-08W6	BE	05-35-067-08W6	WAPITI											20		
Low	1-2	3349-33	13-05-067-09W5	WE	04-08-067-09W5	SWAN HILLS	90										40		
Low	1-2	5457-30	10-01-067-10W5	WE	10-01-067-10W5	SWAN HILLS	90										40		
Low	1-2	28656-49	02-23-067-10W5	BE	02-23-067-10W5	SWAN HILLS											40		
Low	1-2	45723-2	10-08-067-10W5	BE	12-09-067-10W5	SWAN HILLS											40		
Low	1-2	36127-3	12-09-067-10W5	BE	09-09-067-10W5	SWAN HILLS											40		
Low	1-2	11289-4	09-09-067-10W5	BE	12-10-067-10W5	SWAN HILLS											40		
Low	1-2	55884-5	09-09-067-10W5	BE	02-16-067-10W5	SWAN HILLS											40		
Low	1-2	23144-6	02-16-067-10W5	BE	12-15-067-10W5	SWAN HILLS											40		
Low	1-2	11854-7	10-08-067-10W5	BE	02-17-067-10W5	SWAN HILLS											40		
Low	1-2	14112-8	02-17-067-10W5	BE	12-16-067-10W5	SWAN HILLS											40		
Low	1-2	17499-9	12-16-067-10W5	BE	12-16-067-10W5	SWAN HILLS											20		
Low	1-2	16370-10	13-16-067-10W5	BE	02-21-067-10W5	SWAN HILLS											40		
Low	1-2	30482-11	15-17-067-10W5	BE	12-17-067-10W5	SWAN HILLS											40		
Low	1-2	55884-12	02-20-067-10W5	BE	02-29-067-10W5	SWAN HILLS											40		
Low	1-2	42901-13	10-20-067-10W5	BE	12-21-067-10W5	SWAN HILLS											40		
Low	1-2	35562-14	12-21-067-10W5	BE	15-21-067-10W5	SWAN HILLS											40		
Low	1-2	44594-15	15-21-067-10W5	BE	12-22-067-10W5	SWAN HILLS											40		
Low	1-2	46288-16	15-21-067-10W5	BE	02-28-067-10W5	SWAN HILLS											40		
Low	1-2	37820-17	02-28-067-10W5	BE	12-27-067-10W5	SWAN HILLS											40		
Low	1-2	9031-18	02-29-067-10W5	BE	15-29-067-10W5	SWAN HILLS											40		
Low	1-2	24837-19	15-29-067-10W5	BE	10-33-067-10W5	SWAN HILLS											40		
Low	1-2	27095-20	16-29-067-10W5	BE	12-28-067-10W5	SWAN HILLS											40		
Low	1-2	50804-21	15-29-067-10W5	BE	02-32-067-10W5	SWAN HILLS											20		
Low	1-2	35562-22	15-29-067-10W5	BE	10-31-067-10W5	SWAN HILLS											40		
Low	1-2	23144-23	10-20-067-10W5	BE	11-19-067-10W5	SWAN HILLS											40		
Low	1-2	33304-24	11-19-067-10W5	BE	12-19-067-10W5	SWAN HILLS											20		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	29756-2	11-17-065-07W6	WE	11-17-065-07W6	WAPITI	90					5				20			
Low	1-2	12256-37	16-15-065-08W6	WE	15-15-065-08W6	WAPITI	90					4				20			
Low	1-2	11916-65	12-06-065-08W6	WE	05-06-065-08W6	WAPITI	90					4				20			
Low	1-2	25194-70	10-21-065-08W6	WE	10-21-065-08W6	WAPITI	90					4				20			
Low	1-2	12827-5	10-36-065-08W6	WE	09-36-065-08W6	WAPITI	90					4				20			
Low	1-2	36123-112	05-31-065-08W6	WE	05-31-065-08W6	WAPITI	90									20			
Low	1-2	28798-4	01-28-065-08W6	WE	01-28-065-08W6	WAPITI	90					4				20			
Low	1-2	41220-19	06-24-065-08W6	WE	02-24-065-08W6	WAPITI	90					4				20			
Low	1-2	7905-20	01-25-065-08W6	WE	08-25-065-08W6	WAPITI	90					4				20			
Low	1-2	32684-66	11-18-065-09W6	WE	11-18-065-09W6	KAKWA	90					4				20			
Low	1-2	28939-76	04-12-065-09W6	WE	14-01-065-09W6	KAKWA	90					4				20			
Low	1-2	21789-77	05-02-065-09W6	WE	05-02-065-09W6	KAKWA	90					4				20			
Low	1-2	8511-81	10-01-065-09W6	WE	10-01-065-09W6	KAKWA	90					4				20			
Low	1-2	10159-51	14-36-065-09W6	PL	10-36-065-09W6	KAKWA	90					4				20			
Low	1-2	57084-11	06-08-065-09W6	WE	06-08-065-09W6	KAKWA	90					4				20			
Low	1-2	3443-6	11-06-065-10W5	PL	10-06-065-10W5	SWAN HILLS SOUTH										20			
Low	1-2	23141-146	11-14-065-10W6	WE	11-14-065-10W6	KAKWA	90					4				20			
Low	1-2	46283-147	13-03-065-10W6	B	12-03-065-10W6	KAKWA	90					4				20			
Low	1-2	8273-39	05-34-065-15W4	BE	08-33-065-15W4	HYLO										20			
Low	1-2	4512-21	10-16-065-22W5	PL	15-16-065-22W5	MCKINLEY	90					4				20			
Low	1-2	33277-2	04-32-065-22W5	BE	16-29-065-22W5	MCKINLEY										80			
Low	1-2	5247-9	04-08-065-23W5	BE	07-18-065-23W5	ANTE CREEK NORTH										160			
Low	1-2	7484-3	12-18-065-23W5	BE	10-18-065-23W5	ANTE CREEK NORTH										40			
Low	1-2	13302-1	04-07-065-23W5	WE	10-07-065-23W5	ANTE CREEK NORTH										20			
Low	1-2	6643-3	05-26-065-24W5	BE	01-27-065-24W5	ANTE CREEK NORTH										40			
Low	1-2	29627-1	11-31-064-08W6	WE	11-31-064-08W6	WAPITI	90					4				20			
Low	1-2	15546-5	11-21-064-09W4	PL	11-21-064-09W4	SUGDEN	90					4				20			
Low	1-2	13277-95	08-32-064-09W6	WE	08-32-064-09W6	KAKWA	90					4				20			
Low	1-2	26357-2	01-15-064-09W6	BE	04-14-064-09W6	KAKWA										20			
Low	1-2	27945-43	04-26-064-09W6	WE	13-23-064-09W6	KAKWA	90					4				20			
Low	1-2	45756-1	08-28-064-09W6	WE	08-28-064-09W6	KAKWA	90					4				20			
Low	1-2	43461-150	01-25-064-10W6	WE	04-30-064-09W6	KAKWA	90					4				20			
Low	1-2	2179-51	05-15-064-11W4	BE	04-15-064-11W4	CRAIGEND										20			
Low	1-2	16590-4	08-12-064-11W4	BE	05-07-064-10W4	CRAIGEND										20			
Low	1-2	26739-9	13-09-064-13W6	B	12-09-064-13W6	NARRAWAY	90					4				20			
Low	1-2	19703-4	07-11-064-13W6	PL	09-15-064-13W6	NARRAWAY	90					4				20			
Low	1-2	5937-1	10-18-064-23W5	WE	15-07-064-23W5	WASKAHIGAN										40			
Low	1-2	36012-2	01-32-064-23W5	WE	02-32-064-23W5	ANTE CREEK NORTH	90					4				20			
Low	1-2	19252-3	05-30-063-02W4	WE	05-30-063-02W4	BIGORAY	90					4				20			
Low	1-2	23244-4	05-30-063-02W4	WE	05-30-063-02W4	JARVIE	90					4				20			
Low	1-2	21589-5	02-19-063-02W4	PL	11-18-063-02W4	KNELLER										40			
Low	1-2	26025-6	05-30-063-02W4	PL	02-19-063-02W4	BITTERN LAKE										40			
Low	1-2	10465-17	11-24-063-02W5	PL	11-24-063-02W5	JARVIE	90					4				20			
Low	1-2	3949-1	08-34-063-02W6	PL	02-34-063-02W6	KARR										60			
Low	1-2	32168-3	09-08-063-02W6	PL	13-09-063-02W6	LATOR	90					4				80			
Low	1-2	5594-8	09-17-063-02W6	WE	13-09-063-02W6	LATOR	90					4				80			
Low	1-2	13263-6	13-22-063-02W6	BE	12-22-063-02W6	PEPPERS										20			
Low	1-2	9759-4	11-25-063-03W4	WE	05-30-063-02W4	KNELLER										40			
Low	1-2	10942-9	09-26-063-03W4	WE	11-25-063-03W4	BITTERN LAKE										40			
Low	1-2	20406-10	16-23-063-03W4	WE	09-26-063-03W4	KNELLER										40			
Low	1-2	16882-2	15-25-063-03W4	WE	14-25-063-03W4	COLD LAKE	90					4				20			
Low	1-2	21455-5	02-01-063-03W5	BE	07-01-063-03W5	TIMEU										20			
Low	1-2	27980-1	04-11-063-05W6	BE	16-04-063-05W6	KAKWA										40			
Low	1-2	6854-59	09-08-063-08W4	PL	09-08-063-08W4	SUGDEN	90									20			
Low	1-2	2957-60	09-08-063-08W4	MS	09-08-063-08W4	SUGDEN	90					4				20			
Low	1-2	2263-1	11-07-063-08W4	B	11-07-063-08W4	SUGDEN	90					4				20			
Low	1-2	21099-43	02-07-063-08W4	PL	07-07-063-08W4	SUGDEN										20			
Low	1-2	23947-1	10-30-063-08W4	PL	01-31-063-08W4	SUGDEN										40			
Low	1-2	36199-3	02-31-063-08W4	PL	06-31-063-09W4	SUGDEN										40			
Low	1-2	46224-5	06-31-063-08W4	PL	07-36-063-09W4	SUGDEN										40			
Low	1-2	21167-2	10-30-063-08W4	PL	05-30-063-08W4	SUGDEN										40			
Low	1-2	29448-21	05-10-063-09W4	PL	04-10-063-09W4	SUGDEN										20			
Low	1-2	42069-22	04-10-063-09W4	PL	05-10-063-09W4	SUGDEN										20			
Low	1-2	25767-28	05-13-063-09W4	PL	07-14-063-09W4	SUGDEN										40			
Low	1-2	18405-30	07-14-063-09W4	PL	05-10-063-09W4	SUGDEN										40			
Low	1-2	25241-31	05-10-063-09W4	PL	01-08-063-09W4	SUGDEN										40			
Low	1-2	52340-4	05-13-063-09W4	PL	12-13-063-09W4	SUGDEN										20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	41760-5	05-13-063-09W4	PL	05-13-063-09W4	SUGDEN										20			
Low	1-2	48999-6	05-13-063-09W4	PL	05-13-063-09W4	SUGDEN										20			
Low	1-2	25056-7	12-13-063-09W4	PL	10-24-063-09W4	SUGDEN										40			
Low	1-2	39533-8	13-23-063-09W4	PL	05-26-063-09W4	SUGDEN										40			
Low	1-2	36749-9	05-26-063-09W4	PL	12-27-063-09W4	SUGDEN										40			
Low	1-2	11031-50	11-31-063-11W4	BE	11-31-063-11W4	CRAIGEND										20			
Low	1-2	2470-20	14-16-063-11W4	PL	14-16-063-11W4	CRAIGEND	90					4				20			
Low	1-2	8000-55	15-20-063-12W4	PL	15-20-063-12W4	CRAIGEND	90					4				20			
Low	1-2	7753-131	13-21-063-12W4	WE	13-21-063-12W4	CRAIGEND	90					4				20			
Low	1-2	43674-7	01-20-063-13W6	BE	01-20-063-13W6	NARRAWAY										20			
Low	1-2	4821-17	13-28-063-20W5	WE	14-28-063-20W5	KAYBOB	90					4				20			
Low	1-2	46906-1	11-16-063-20W5	BE	02-10-063-20W5	KAYBOB										80			
Low	1-2	3184-148	16-27-063-24W5	PL	01-34-063-24W5	WASKAHIGAN	90					4				20			
Low	1-2	9638-27	16-27-063-24W5	PL	01-34-063-24W5	WASKAHIGAN	90									20			
Low	1-2	18525-4	10-36-063-24W5	BE	15-36-063-24W5	WASKAHIGAN										20			
Low	1-2	13574-23	01-16-063-24W5	WE	01-16-063-24W5	WASKAHIGAN	90					4				20			
Low	1-2	10397-3	01-16-063-24W5	BE	15-09-063-24W5	WASKAHIGAN										20			
Low	1-2	45765-2	04-06-062-03W4	PL	09-36-061-04W4	KENT										40			
Low	1-2	41519-1	05-21-062-03W4	CS	10-17-062-03W4	KENT										40			
Low	1-2	44753-2	04-18-062-07W6	PL	04-18-062-07W6	KAKWA	90					5				20			
Low	1-2	2263-1	13-09-062-08W4	B	13-09-062-08W4	SUGDEN	90					4				20			
Low	1-2	33156-36	13-09-062-08W4	CS	16-09-062-08W4	SUGDEN										40			
Low	1-2	22050-1	03-13-062-13W6	BE	02-13-062-13W6	NARRAWAY										20			
Low	1-2	9913-3	15-02-062-22W5	BE	15-02-062-22W5	KAYBOB SOUTH										20			
Low	1-2	17572-5	11-30-062-25W5	BE	11-30-062-25W5	SIMONETTE										20			
Low	1-2	49128-40	01-11-061-02W6	PL	06-12-061-02W6	LELAND	90					4				20			
Low	1-2	27018-3	09-36-061-04W4	PL	10-36-061-04W4	KENT										20			
Low	1-2	17466-9	04-15-061-05W4	WE	05-15-061-05W4	FORT KENT	90					4				20			
Low	1-2	5114-39	01-31-061-07W4	WE	01-31-061-07W4	SUGDEN	90					4				20			
Low	1-2	29280-4	06-15-061-08W4	PL	01-15-061-08W4	SUGDEN										60			
Low	1-2	9042-33	13-10-061-08W4	B	06-15-061-08W4	SUGDEN										40			
Low	1-2	3406-1	16-20-061-09W4	B	16-20-061-09W4	SUGDEN	90					4				20			
Low	1-2	6369-105	11-30-061-13W4	WE	11-30-061-13W4	CLAY	90					4				20			
Low	1-2	8974-4	15-05-061-22W5	PL	15-05-061-22W5	BIGSTONE	90					4				20			
Low	1-2	14284-27	08-10-061-22W5	BE	01-10-061-22W5	BIGSTONE										20			
Low	1-2	28568-28	08-10-061-22W5	BE	08-10-061-22W5	BIGSTONE										20			
Low	1-2	27220-1	11-09-061-22W5	BE	05-08-061-22W5	BIGSTONE										40			
Low	1-2	3063-8	09-14-061-23W4	WE	15-14-061-23W4	ABEE	90					4				20			
Low	1-2	44114-2	08-11-060-03W6	PL	07-11-060-03W6	RESTHAVEN										40			
Low	1-2	21645-1	08-15-060-04W4	PL	08-15-060-04W4	CHARLOTTE LAKE										20			
Low	1-2	37142-2	07-07-060-05W6	BE	03-07-060-05W6	CHIME										20			
Low	1-2	37688-3	02-07-060-05W6	BE	07-07-060-05W6	CHIME										20			
Low	1-2	27296-12	11-18-060-10W4	WE	11-18-060-10W4	ASHMONT	90									20			
Low	1-2	6965-9	09-13-060-15W4	BE	12-19-060-14W4	BELLIS										40			
Low	1-2	7448-34	11-06-060-16W4	PL	11-06-060-16W4	BELLIS	90					4				20			
Low	1-2	9725-9	05-29-060-17W4	BE	04-29-060-17W4	EDWAND										20			
Low	1-2	8710-1	11-24-060-18W4	PL	11-24-060-18W4	WARSPITE	90									20			
Low	1-2	5927-4	11-24-060-18W4	PL	11-24-060-18W4	WARSPITE	90					4				20			
Low	1-2	46870-4	04-27-060-18W5	BE	04-27-060-18W5	KAYBOB SOUTH										20			
Low	1-2	35576-16	15-10-060-18W5	WE	10-10-060-18W5	KAYBOB SOUTH	90					4				20			
Low	1-2	20666-2	04-16-060-20W5	WE	04-16-060-20W5	PROVOST						6				20			
Low	1-2	10182-2	06-19-060-21W5	WE	07-24-060-21W5	KAYBOB SOUTH	90									80			
Low	1-2	6703-2	15-20-060-22W5	WE	14-20-060-22W5	BIGSTONE						4				20			
Low	1-2	25571-15	15-30-060-23W5	WE	10-30-060-23W5	PLACID	90					4				20			
Low	1-2	45559-6	02-04-060-27W5	WE	07-04-060-27W5	SMOKY	90					4				20			
Low	1-2	34601-7	03-09-060-27W5	WE	05-09-060-27W5	PROVOST	90									20			
Low	1-2	53587-1	07-11-059-01W6	WE	07-11-059-01W6	SMOKY	90					4				20			
Low	1-2	28635-5	15-25-059-01W6	WE	14-25-059-01W6	PROVOST	90					4				20			
Low	1-2	12101-1	12-22-059-04W4	PL	04-22-059-04W4	MURIEL LAKE										80			
Low	1-2	9220-2	09-31-059-04W4	MS	07-32-059-04W4	MURIEL LAKE										80			
Low	1-2	5176-1	11-30-059-08W5	PL	13-29-059-08W5	GREENCOURT										80			
Low	1-2	24403-5	03-18-059-08W5	PL	01-07-059-08W5	GREENCOURT										80			
Low	1-2	17994-8	06-18-059-08W5	PL	07-13-059-09W5	GREENCOURT										40			
Low	1-2	7372-2	09-26-059-09W5	GP	10-25-059-09W5	GREENCOURT										80			
Low	1-2	4513-4	09-26-059-09W5	GP	10-24-059-09W5	GREENCOURT										40			
Low	1-2	4363-6	09-26-059-09W5	GP	10-26-059-09W5	GREENCOURT										20			
Low	1-2	2167-1	10-26-059-09W5	PL	07-23-059-09W5	GREENCOURT										40			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	5695-12	07-24-057-07W4	BE	10-24-057-07W4	SILER										20			
Low	1-2	9055-24	11-35-057-10W4	PL	11-35-057-10W4	ST PAUL	90					4				20			
Low	1-2	13497-33	04-05-057-22W5	PL	06-05-057-22W5	WILD RIVER	90					11				20			
Low	1-2	10495-11	14-36-057-23W5	GP	14-36-057-23W5	SUNDANCE	90									40			
Low	1-2	24334-1	14-36-057-23W5	GP	16-36-057-23W5	SUNDANCE										20			
Low	1-2	24696-9	12-05-057-23W5	WE	08-06-057-23W5	WILD RIVER	90					4				20			
Low	1-2	33114-1	09-13-057-23W5	WE	16-13-057-23W5	SUNDANCE	90					4				20			
Low	1-2	17575-1	08-30-057-24W5	BE	09-23-057-25W5	WILD RIVER										80			
Low	1-2	7663-1	02-32-057-24W5	WE	15-29-057-24W5	WILD RIVER	90					4				20			
Low	1-2	9852-2	02-32-057-24W5	BE	15-29-057-24W5	WILD RIVER										20			
Low	1-2	49811-4	08-29-057-24W5	BE	07-29-057-24W5	WILD RIVER										20			
Low	1-2	6568-7	08-30-057-24W5	PL	08-30-057-24W5	WILD RIVER	90					4				20			
Low	1-2	10400-34	16-35-057-24W5	WE	09-35-057-24W5	WILD RIVER	90									20			
Low	1-2	8210-35	03-20-057-24W5	WE	03-20-057-24W5	WILD RIVER	90					4				20			
Low	1-2	39411-36	11-31-057-24W5	WE	12-31-057-24W5	WILD RIVER	90									20			
Low	1-2	41600-40	16-30-057-24W5	WE	10-30-057-24W5	WILD RIVER	90					4				20			
Low	1-2	29558-54	05-31-057-24W5	WE	05-31-057-24W5	WILD RIVER	90									20			
Low	1-2	7115-59	04-29-057-24W5	WE	04-29-057-24W5	WILD RIVER	90					4				20			
Low	1-2	54738-62	05-18-057-24W5	WE	05-18-057-24W5	WILD RIVER	90					4				20			
Low	1-2	38863-71	09-20-057-24W5	WE	12-21-057-24W5	WILD RIVER	90					4				20			
Low	1-2	38863-74	04-26-057-24W5	WE	05-26-057-24W5	WILD RIVER	90					4				20			
Low	1-2	31748-82	16-29-057-24W5	WE	09-29-057-24W5	WILD RIVER	90					4				20			
Low	1-2	43790-83	08-35-057-24W5	WE	09-35-057-24W5	WILD RIVER	90					4				20			
Low	1-2	26274-102	13-26-057-24W5	WE	16-27-057-24W5	WILD RIVER	90					4				20			
Low	1-2	19158-5	08-30-057-24W5	BE	15-30-057-24W5	WILD RIVER										40			
Low	1-2	21895-32	16-36-057-25W5	WE	15-36-057-25W5	WILD RIVER	90					4				20			
Low	1-2	13137-50	13-36-057-25W5	WE	11-36-057-25W5	WILD RIVER	90					4				20			
Low	1-2	29558-60	02-36-057-25W5	WE	02-36-057-25W5	WILD RIVER	90					4				20			
Low	1-2	20013-3	08-26-057-25W5	PL	06-25-057-25W5	WILD RIVER	90					4				20			
Low	1-2	11930-1	10-13-056-01W4	WE	10-11-056-01W4	LINDBERGH										40			
Low	1-2	10583-3	16-12-056-01W4	WE	03-12-056-01W4	LINDBERGH										40			
Low	1-2	13662-4	07-11-056-01W4	CS	10-23-056-01W4	LINDBERGH										80			
Low	1-2	9044-5	16-12-056-01W4	PL	15-12-056-01W4	LINDBERGH										20			
Low	1-2	13085-14	08-01-056-01W4	PL	08-01-056-01W4	LINDBERGH										20			
Low	1-2	24348-2	16-13-056-01W4	PL	10-13-056-01W4	LINDBERGH										60			
Low	1-2	33254-36	04-03-056-04W4	PL	04-03-056-04W4	LINDBERGH										20			
Low	1-2	7389-37	04-03-056-04W4	PL	13-34-055-04W4	LINDBERGH										20			
Low	1-2	43229-7	10-02-056-04W4	PL	11-02-056-04W4	LINDBERGH										20			
Low	1-2	50776-1	11-06-056-04W4	PL	13-06-056-04W4	LINDBERGH										20			
Low	1-2	9692-70	16-06-056-05W4	WE	13-05-056-05W4	LINDBERGH	90					4				20			
Low	1-2	13265-4	07-26-056-05W4	PL	07-26-056-05W4	LINDBERGH	90					4				20			
Low	1-2	18459-2	05-03-056-06W4	PL	06-03-056-06W4	LINDBERGH										40			
Low	1-2	33875-11	09-13-056-06W4	PL	11-18-056-05W4	LINDBERGH										40			
Low	1-2	31012-34	15-26-056-07W4	PL	10-26-056-07W4	LINDBERGH										20			
Low	1-2	10693-11	04-18-056-09W4	PL	04-18-056-09W4	DUVERNAY	90					4				20			
Low	1-2	11287-4	12-24-056-10W4	PL	12-24-056-10W4	DUVERNAY	90					4				20			
Low	1-2	38210-16	02-07-056-11W4	WE	02-07-056-11W4	DUVERNAY	90					4				20			
Low	1-2	37310-15	06-02-056-12W4	BE	03-02-056-12W4	DUVERNAY										20			
Low	1-2	53128-7	03-01-056-16W5	WE	03-01-056-16W5	MCLEOD	90					4				20			
Low	1-2	11623-20	01-32-056-22W5	WE	01-32-056-22W5	WILD RIVER	90					4				20			
Low	1-2	17420-3	13-20-056-23W5	WE	14-20-056-23W5	WILD RIVER	90					5				20			
Low	1-2	22121-3	15-25-056-23W5	WE	15-25-056-23W5	WILD RIVER	90					4				20			
Low	1-2	37119-12	14-25-056-23W5	WE	14-25-056-23W5	WILD RIVER	90					4				20			
Low	1-2	47704-8	10-21-056-23W5	WE	11-21-056-23W5	WILD RIVER	90					4				20			
Low	1-2	42207-19	06-26-056-24W5	WE	11-26-056-24W5	WILD RIVER	90									20			
Low	1-2	17148-34	04-31-056-26W5	WE	04-31-056-26W5	WILD RIVER	90					5				20			
Low	1-2	19883-11	11-26-056-27W5	WE	10-26-056-27W5	WILD RIVER	90					4				20			
Low	1-2	7191-22	03-22-056-27W5	WE	14-15-056-27W5	WILD RIVER	90					4				20			
Low	1-2	4206-91	07-17-055-04W4	WE	02-17-055-04W4	LINDBERGH	90					4				20			
Low	1-2	16641-108	07-29-055-04W4	B	07-29-055-04W4	LINDBERGH	90					4				20			
Low	1-2	12252-116	08-05-055-04W4	PL	07-05-055-04W4	LINDBERGH	90					4				20			
Low	1-2	5303-117	07-05-055-04W4	B	08-05-055-04W4	LINDBERGH	90					4				20			
Low	1-2	17519-27	15-31-055-04W4	PL	14-31-055-04W4	LINDBERGH	90					4				20			
Low	1-2	8329-28	14-31-055-04W4	PL	15-31-055-04W4	LINDBERGH	90									20			
Low	1-2	14861-72	13-16-055-04W4	PL	13-16-055-04W4	LINDBERGH										20			
Low	1-2	27024-1	11-27-055-04W6	WE	15-19-056-04W6	CABIN CREEK										160			
Low	1-2	4769-3	11-27-055-04W6	PL	14-23-055-04W6	CABIN CREEK										160			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1	OPTION B1	OPTION B2	OPTION B2	OPTION B2	OPTION C1	OPTION C2	OPTION C3	OPTION C3	FINAL Pipeline	FINAL Dead-Leg	FINAL Dead-Leg	
							FREQUENCY PIGGING BY OPERATIONS d	FREQUENCY PIGGING d	FREQUENCY BATCH INHIBITION d	VOLUME BATCH INHIBITOR l	VOLUME HYDROCARBON DILUENT l	INJECTION RATE CONTINUOUS INHIBITOR l/d	INJECTION RATE VAPOUR PHASE AMINE l/d	FREQUENCY GLYCOL SLUG INTERVAL d	VOLUME GLYCOL SLUG l	Lay-up Mothballing Inhibitor I	Mitigation Glycol Slug Volume l/slug	Mitigation Glycol Slug Frequency d	
Low	1-2	7948-4	14-23-055-04W6	PL	01-23-055-04W6	CABIN CREEK										160			
Low	1-2	44115-1	01-23-055-04W6	WE	01-23-055-04W6	CABIN CREEK	90					4				20			
Low	1-2	3138-6	04-18-055-05W4	PL	10-18-055-05W4	LINDBERGH										40			
Low	1-2	13037-25	05-32-055-05W4	PL	04-32-055-05W4	LINDBERGH										40			
Low	1-2	16915-68	05-18-055-05W4	PL	12-18-055-05W4	LINDBERGH										40			
Low	1-2	7960-69	10-18-055-05W4	PL	11-18-055-05W4	LINDBERGH										20			
Low	1-2	49750-73	07-18-055-05W4	PL	10-18-055-05W4	LINDBERGH										20			
Low	1-2	45272-79	07-18-055-05W4	PL	07-18-055-05W4	LINDBERGH										20			
Low	1-2	33332-80	07-18-055-05W4	PL	06-18-055-05W4	LINDBERGH										20			
Low	1-2	10945-85	07-18-055-05W4	PL	02-18-055-05W4	LINDBERGH										20			
Low	1-2	16417-91	05-18-055-05W4	S	04-18-055-05W4	TEEPEE										20			
Low	1-2	18963-8	04-13-055-06W4	PL	14-13-055-06W4	LINDBERGH										40			
Low	1-2	13952-1	14-28-055-06W4	BE	06-03-056-06W4	LINDBERGH										80			
Low	1-2	11610-2	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-2	6572-4	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-2	19497-5	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-2	10296-7	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-2	17744-8	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-2	3505-9	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-2	3724-10	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-2	6353-11	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-2	4162-13	14-28-055-06W4	BE	10-28-055-06W4	LINDBERGH										20			
Low	1-2	45932-17	03-24-055-06W4	BE	04-24-055-06W4	LINDBERGH										40			
Low	1-2	44018-28	07-24-055-06W4	BE	08-24-055-06W4	LINDBERGH										40			
Low	1-2	19138-30	07-24-055-06W4	BE	01-24-055-06W4	LINDBERGH										80			
Low	1-2	33492-42	07-24-055-06W4	BE	07-24-055-06W4	LINDBERGH										40			
Low	1-2	12439-45	06-24-055-06W4	BE	07-24-055-06W4	LINDBERGH										80			
Low	1-2	45453-59	11-24-055-06W4	BE	12-24-055-06W4	LINDBERGH										40			
Low	1-2	7176-63	11-24-055-06W4	BE	13-24-055-06W4	LINDBERGH										40			
Low	1-2	8612-69	11-24-055-06W4	BE	13-24-055-06W4	LINDBERGH										80			
Low	1-2	39233-78	10-24-055-06W4	BE	15-24-055-06W4	LINDBERGH										80			
Low	1-2	46410-98	10-24-055-06W4	BE	10-24-055-06W4	LINDBERGH										40			
Low	1-2	12736-21	05-01-055-06W4	B	05-01-055-06W4	LINDBERGH										20			
Low	1-2	13230-4	15-12-055-08W4	BE	16-12-055-08W4	BEAUVALLON										20			
Low	1-2	37275-2	16-04-055-08W4	WE	16-04-055-08W4	BEAUVALLON	90				4					20			
Low	1-2	22926-1	10-21-055-10W4	WE	07-21-055-10W4	DUVERNAY	90				4					20			
Low	1-2	6929-10	16-34-055-16W5	WE	16-34-055-16W5	MCLEOD	90				4					20			
Low	1-2	36381-12	16-34-055-16W5	WE	16-34-055-16W5	MCLEOD	90				4					20			
Low	1-2	15226-2	01-18-055-19W5	WE	02-18-055-19W5	PINE CREEK	90				4					20			
Low	1-2	17475-7	06-30-055-21W5	BE	03-30-055-21W5	WILD RIVER										20			
Low	1-2	16467-41	15-12-055-22W5	WE	14-12-055-22W5	SUNDANCE	90									20			
Low	1-2	9823-5	14-06-055-22W5	WE	02-07-055-22W5	SUNDANCE	90				4					20			
Low	1-2	25694-1	03-10-055-22W5	BE	02-10-055-22W5	SUNDANCE										20			
Low	1-2	30120-2	02-10-055-22W5	WE	02-10-055-22W5	SUNDANCE	90				4					20			
Low	1-2	39888-4	04-11-055-23W5	WE	04-11-055-23W5	SUNDANCE	90				4					20			
Low	1-2	37315-16	16-15-055-23W5	PL	16-15-055-23W5	WILD RIVER	90				4					20			
Low	1-2	28112-13	16-23-055-25W5	WE	13-24-055-25W5	WILD RIVER	90				4					20			
Low	1-2	11703-110	01-31-054-04W4	PL	01-31-054-04W4	LINDBERGH	90				8					20			
Low	1-2	9143-85	06-34-054-05W4	BE	05-34-054-05W4	LINDBERGH										20			
Low	1-2	12123-10	01-30-054-05W4	PL	08-30-054-05W4	LINDBERGH										20			
Low	1-2	27767-62	14-02-054-05W4	PL	03-11-054-05W4	LINDBERGH										20			
Low	1-2	8889-24	04-24-054-06W4	WE	05-24-054-06W4	LINDBERGH										20			
Low	1-2	17204-34	09-15-054-06W4	PL	16-15-054-06W4	LINDBERGH	90				4					20			
Low	1-2	8602-35	15-18-054-06W4	BE	15-18-054-06W4	LINDBERGH										20			
Low	1-2	21118-6	15-18-054-06W4	PL	09-13-054-07W4	LINDBERGH										40			
Low	1-2	15371-1	15-18-054-06W4	PL	16-18-054-06W4	LINDBERGH										20			
Low	1-2	14132-25	16-13-054-07W4	PL	16-13-054-07W4	DERWENT	90									20			
Low	1-2	20727-3	06-13-054-07W4	PL	06-13-054-07W4	DERWENT										20			
Low	1-2	19945-5	06-13-054-07W4	PL	09-13-054-07W4	DERWENT										80			
Low	1-2	12632-16	10-07-054-09W4	PL	10-07-054-09W4	BEAUVALLON	90				4					20			
Low	1-2	9706-63	16-05-054-11W4	WE	16-05-054-11W4	PLAIN	90				4					20			
Low	1-2	15013-9	06-12-054-17W5	PL	04-12-054-17W5	EDSON	90				4					20			
Low	1-2	14756-2	07-25-054-21W5	BE	06-25-054-21W5	SUNDANCE										20			
Low	1-2	37353-2	10-12-054-21W5	WE	10-12-054-21W5	ANSELL	90				5					20			
Low	1-2	38725-24	14-32-054-22W5	PL	14-32-054-22W5	SUNDANCE	90				4					20			
Low	1-2	28250-1	04-26-054-22W5	BE	11-07-054-20W5	SUNDANCE										320			
Low	1-2	5136-6	03-03-054-24W5	WE	02-03-054-24W5	PEDLEY	90				5					20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	35087-1	04-15-054-24W5	WE	16-09-054-24W5	PEDLEY	90					4				20			
Low	1-2	48909-2	13-09-054-24W5	WE	13-09-054-24W5	PEDLEY	90									20			
Low	1-2	16816-69	15-18-053-02W4	PL	15-18-053-02W4	MARWAYNE										20			
Low	1-2	11073-20	14-17-053-09W4	PL	14-17-053-09W4	BEAUVALLON	90					4				20			
Low	1-2	27199-35	14-22-053-20W5	WE	14-22-053-20W5	ANSELL	90					4				20			
Low	1-2	10074-78	04-21-053-20W5	WE	04-21-053-20W5	ANSELL	90					4				20			
Low	1-2	3358-108	03-01-053-20W5	WE	06-01-053-20W5	EDSON	90					4				20			
Low	1-2	39863-5	07-34-053-22W5	WE	08-34-053-22W5	SUNDANCE	90					4				20			
Low	1-2	27609-3	02-03-053-22W5	BE	02-03-053-22W5	MEDICINE LODGE										20			
Low	1-2	49058-2	13-35-053-22W5	WE	11-35-053-22W5	SUNDANCE	90					4				20			
Low	1-2	37934-35	01-32-053-24W5	WE	01-32-053-24W5	PEDLEY	90					4				20			
Low	1-2	40907-1	11-01-052-18W5	WE	14-01-052-18W5	EDSON	90					4				20			
Low	1-2	8146-48	13-09-052-19W5	WE	13-09-052-19W5	ANSELL	90					4				20			
Low	1-2	11147-51	06-09-052-19W5	WE	11-09-052-19W5	ANSELL	90					4				20			
Low	1-2	2143-56	08-09-052-19W5	WE	09-09-052-19W5	ANSELL	90					4				20			
Low	1-2	8146-57	15-09-052-19W5	WE	11-09-052-19W5	ANSELL	90					4				20			
Low	1-2	3858-59	03-10-052-19W5	WE	14-03-052-19W5	ANSELL	90					4				20			
Low	1-2	13720-75	03-30-052-19W5	WE	02-30-052-19W5	ANSELL	90									20			
Low	1-2	21697-129	10-06-052-19W5	WE	10-06-052-19W5	EDSON	90					4				20			
Low	1-2	20147-130	11-06-052-19W5	PL	11-06-052-19W5	EDSON	90					4				20			
Low	1-2	20147-132	10-06-052-19W5	PL	11-06-052-19W5	EDSON	90					4				20			
Low	1-2	30033-2	05-10-052-19W5	WE	05-10-052-19W5	ANSELL	90					4				20			
Low	1-2	13880-1	02-18-052-19W5	WE	02-18-052-19W5	ANSELL	90					4				20			
Low	1-2	21382-1	06-04-052-19W5	WE	06-04-052-19W5	ANSELL	90					4				20			
Low	1-2	13505-60	13-12-052-20W5	WE	11-12-052-20W5	ANSELL	90					4				20			
Low	1-2	2846-4	10-21-052-20W5	WE	08-21-052-20W5	ANSELL	90					4				20			
Low	1-2	4270-7	06-24-052-20W5	WE	07-24-052-20W5	ANSELL	90					9				20			
Low	1-2	26966-53	12-10-052-20W5	WE	05-10-052-20W5	ANSELL	90					4				20			
Low	1-2	5269-96	08-24-052-20W5	WE	05-19-052-19W5	ANSELL	90					4				20			
Low	1-2	11498-11	04-28-052-20W5	WE	01-29-052-20W5	ANSELL	90					4				20			
Low	1-2	25634-1	10-25-052-20W5	BE	07-36-052-20W5	ANSELL										40			
Low	1-2	5037-142	13-06-052-23W5	WE	13-06-052-23W5	PEPPERS	90					4				20			
Low	1-2	33139-2	07-08-052-23W5	BE	06-07-052-23W5	PEPPERS										80			
Low	1-2	16657-10	04-18-051-02W4	PL	07-18-051-02W4	LLOYDMINSTER	90					4				20			
Low	1-2	35433-2	16-18-051-19W5	BE	16-18-051-19W5	ANSELL										20			
Low	1-2	15864-70	12-35-051-20W5	WE	12-35-051-20W5	ANSELL	90					4				20			
Low	1-2	3215-71	06-35-051-20W5	BE	11-35-051-20W5	ANSELL										20			
Low	1-2	26301-1	05-25-051-22W5	BE	07-17-052-23W5	LAMBERT										160			
Low	1-2	19520-3	13-13-050-07W5	WE	14-13-050-07W5	PEMBINA	90					4				20			
Low	1-2	47467-1	16-21-050-13W4	WE	16-21-050-13W4	WARWICK	90					4				20			
Low	1-2	13006-2	05-04-050-18W5	WE	05-04-050-18W5	ANSELL	90					4				20			
Low	1-2	3369-5	11-12-049-18W5	PL	10-12-049-18W5	MINEHEAD	90					9				20			
Low	1-2	23303-3	09-12-049-18W5	WE	09-12-049-18W5	MINEHEAD	90					4				20			
Low	1-2	8844-5	11-24-048-02W4	BE	12-24-048-02W4	LLOYDMINSTER										20			
Low	1-2	22264-9	12-24-048-02W4	PL	12-24-048-02W4	LLOYDMINSTER	90					4				20			
Low	1-2	9582-2	12-32-048-17W5	PL	12-32-048-17W5	MINEHEAD	90									20			
Low	1-2	13918-2	06-10-048-17W5	WE	06-10-048-17W5	MINEHEAD	90					4				20			
Low	1-2	25382-2	14-20-047-11W5	BE	14-20-047-11W5	BRAZEAU RIVER										20			
Low	1-2	19774-4	08-21-047-11W5	BE	08-21-047-11W5	PEMBINA										20			
Low	1-2	5950-1	01-33-047-13W5	PL	14-27-047-13W5	BRAZEAU RIVER										80			
Low	1-2	52153-2	09-21-047-17W5	BE	15-23-047-17W5	HANLAN										80			
Low	1-2	11895-3	07-27-047-17W5	BE	11-34-047-17W5	HANLAN										80			
Low	1-2	10952-4	03-26-047-17W5	BE	16-26-047-17W5	HANLAN										80			
Low	1-2	3506-21	10-18-046-08W4	WE	16-18-046-08W4	VIKING-KINSELLA	90					5				20			
Low	1-2	20714-1	09-16-046-19W5	PL	15-06-046-19W5	LOVETT RIVER										80			
Low	1-2	13152-2	15-06-046-19W5	PL	10-01-046-20W5	LOVETT RIVER										80			
Low	1-2	28276-3	15-06-046-19W5	PL	01-05-046-19W5	LOVETT RIVER										80			
Low	1-2	28605-8	01-05-046-19W5	PL	02-27-045-19W5	LOVETT RIVER										80			
Low	1-2	17097-7	10-01-046-20W5	PL	16-11-046-20W5	LOVETT RIVER										80			
Low	1-2	14573-1	16-11-046-20W5	PL	14-11-046-20W5	LOVETT RIVER										80			
Low	1-2	28763-2	03-10-046-20W5	PL	09-04-046-20W5	LOVETT RIVER										40			
Low	1-2	19504-2	02-11-046-20W5	PL	13-34-045-20W5	LOVETT RIVER										160			
Low	1-2	11880-25	16-28-046-26W4	WE	16-28-046-26W4	HONEYSUCKLE	90									40			
Low	1-2	9651-1	10-17-045-18W5	CS	08-20-045-18W5	VOYAGER										80			
Low	1-2	37646-1	13-34-045-20W5	PL	08-34-045-20W5	LOVETT RIVER										80			
Low	1-2	15620-21	13-06-045-21W4	PL	13-06-045-21W4	NEW NORWAY	90					4				20			
Low	1-2	24075-5	03-29-045-21W4	BE	02-29-045-21W4	DUHAMEL										20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	4568-3	05-11-045-25W4	BE	05-11-045-25W4	NELSON											20		
Low	1-2	16016-1	02-30-044-01W5	WE	02-30-044-01W5	PEMBINA	90					4					20		
Low	1-2	14581-1	07-22-044-02W5	WE	07-22-044-02W5	PEMBINA	90										20		
Low	1-2	39437-1	07-16-044-02W5	WE	07-16-044-02W5	PEMBINA	90					4					20		
Low	1-2	3700-70	10-19-044-08W4	BE	10-19-044-08W4	KILLAM											20		
Low	1-2	17599-26	11-20-044-17W4	PL	12-20-044-17W4	HOLMBERG	90					4					20		
Low	1-2	13733-1	12-10-044-22W4	MS	10-29-043-22W4	MALMO											80		
Low	1-2	34727-4	04-28-044-27W4	WE	06-28-044-27W4	FERRYBANK	90					4					20		
Low	1-2	1429-59	11-31-043-09W4	WE	11-31-043-09W4	KILLAM	90					4					20		
Low	1-2	14489-1	16-34-043-10W4	BE	10-34-043-10W4	KILLAM											20		
Low	1-2	5985-1	12-23-043-11W4	GP	12-23-043-11W4	KILLAM	90					4					20		
Low	1-2	5987-6	08-22-043-16W4	BE	08-22-043-16W4	FORESTBURG											20		
Low	1-2	32416-1	05-26-043-18W5	BE	07-26-043-18W5	BIGHORN											40		
Low	1-2	1838-5	01-20-043-22W4	BE	01-20-043-22W4	MALMO											20		
Low	1-2	15692-1	14-20-042-09W4	TF	03-29-042-09W4	KILLAM											20		
Low	1-2	4519-1	07-10-042-15W4	WE	07-10-042-15W4	FORESTBURG	90					4					20		
Low	1-2	45745-1	16-28-041-06W5	WE	01-33-041-06W5	WILLES DEN GREEN	90					4					80		
Low	1-2	28635-1	12-08-041-08W5	WE	05-08-041-08W5	FERRIER	90					4					20		
Low	1-2	17279-1	05-19-041-08W5	WE	05-19-041-08W5	FERRIER	90					4					20		
Low	1-2	5820-1	14-06-041-10W5	WE	14-06-041-10W5	FERRIER	90					4					20		
Low	1-2	50787-24	11-04-041-10W5	WE	11-04-041-10W5	FERRIER	90					4					20		
Low	1-2	11735-1	11-17-040-08W5	WE	14-17-040-08W5	FERRIER	90					4					20		
Low	1-2	12836-4	13-12-040-22W4	WE	12-12-040-22W4	NEVIS	90					4					20		
Low	1-2	21088-14	09-08-040-28W4	BE	16-08-040-28W4	GILBY											40		
Low	1-2	15589-54	01-36-039-01W5	WE	01-36-039-01W5	GILBY	90					4					40		
Low	1-2	4655-6	16-36-039-01W5	BE	09-05-040-28W4	GILBY											40		
Low	1-2	50598-23	14-07-039-06W5	WE	11-07-039-06W5	FERRIER	90										20		
Low	1-2	9595-114	04-07-039-06W5	BE	16-01-039-07W5	FERRIER											80		
Low	1-2	3968-14	02-21-039-07W5	BE	02-21-039-07W5	FERRIER											20		
Low	1-2	6565-103	04-21-039-07W5	IP	05-20-039-07W5	FERRIER											40		
Low	1-2	13493-1	15-14-039-07W5	BE	15-14-039-07W5	FERRIER											20		
Low	1-2	43462-69	12-30-039-07W5	WE	10-30-039-07W5	FERRIER	90					4					80		
Low	1-2	44027-70	09-11-039-07W5	PL	10-10-039-07W5	FERRIER	90					4					160		
Low	1-2	38947-86	14-19-039-07W5	WE	10-30-039-07W5	FERRIER	90					4					80		
Low	1-2	22013-87	08-30-039-07W5	WE	10-30-039-07W5	FERRIER	90					4					80		
Low	1-2	29915-94	08-17-039-07W5	WE	12-16-039-07W5	FERRIER	90					4					80		
Low	1-2	20884-95	14-20-039-07W5	WE	11-29-039-07W5	FERRIER	90					4					80		
Low	1-2	10724-105	08-29-039-07W5	WE	11-29-039-07W5	FERRIER	90					4					80		
Low	1-2	54187-108	08-09-039-07W5	WE	07-09-039-07W5	FERRIER	90					4					80		
Low	1-2	31609-109	12-04-039-07W5	WE	11-04-039-07W5	FERRIER	90					4					40		
Low	1-2	14675-117	12-19-039-07W5	WE	10-30-039-07W5	FERRIER	90					4					160		
Low	1-2	22013-122	14-30-039-07W5	WE	12-30-039-07W5	FERRIER	90					4					80		
Low	1-2	52512-11	15-09-039-07W5	WE	11-09-039-07W5	FERRIER	90					4					20		
Low	1-2	1292-1	02-24-039-08W5	PL	02-24-039-08W5	FERRIER	90					4					20		
Low	1-2	3366-5	16-22-039-08W5	BE	09-22-039-08W5	FERRIER											20		
Low	1-2	1965-2	09-22-039-08W5	BE	08-28-039-08W5	FERRIER											80		
Low	1-2	21903-1	05-32-039-08W5	BE	03-36-039-09W5	FERRIER											40		
Low	1-2	28329-1	07-16-039-08W5	B	08-16-039-08W5	FERRIER	90										20		
Low	1-2	20179-2	08-16-039-08W5	PL	08-16-039-08W5	FERRIER	90					4					20		
Low	1-2	37089-2	10-11-039-08W5	PL	10-11-039-08W5	FERRIER	90										20		
Low	1-2	33717-6	10-14-039-08W5	PL	09-22-039-08W5	FERRIER	90					4					40		
Low	1-2	45530-4	06-12-039-08W5	BE	12-12-039-08W5	FERRIER											20		
Low	1-2	15804-98	14-36-039-08W5	WE	10-36-039-08W5	FERRIER	90					4					80		
Low	1-2	7337-115	09-35-039-08W5	WE	10-36-039-08W5	FERRIER	90					4					80		
Low	1-2	54751-116	09-35-039-08W5	PL	10-36-039-08W5	FERRIER	90					4					80		
Low	1-2	15804-123	06-36-039-08W5	WE	10-36-039-08W5	FERRIER	90					4					80		
Low	1-2	10630-1	03-36-039-09W5	PL	05-32-039-08W5	FERRIER											160		
Low	1-2	16332-44	05-27-039-22W4	WE	03-27-039-22W4	NEVIS	90					4					20		
Low	1-2	5892-28	06-22-039-22W4	CS	07-22-039-22W4	NEVIS	90					9					20		
Low	1-2	11716-11	06-12-039-22W4	CS	06-12-039-22W4	NEVIS	90					4					20		
Low	1-2	9484-1	10-26-038-07W5	S	04-26-038-07W5	FERRIER											40		
Low	1-2	12603-2	10-26-038-07W5	BE	05-25-038-07W5	FERRIER											40		
Low	1-2	16505-3	10-22-038-07W5	PL	03-22-038-07W5	Everdell - 3rd Party	90					4					80		
Low	1-2	16880-38	15-22-038-07W5	PL	03-22-038-07W5	Everdell - 3rd Party	90					4					80		
Low	1-2	13008-1	16-03-038-07W5	WE	07-10-038-07W5	Everdell - 3rd Party	90					4					80		
Low	1-2	2645-8	13-03-038-07W5	WE	06-10-038-07W5	Everdell - 3rd Party	90					21					80		
Low	1-2	15174-19	13-24-038-07W5	WE	02-26-038-07W5	FERRIER	90					4					80		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	1-2	26977-20	08-26-038-07W5	WE	02-26-038-07W5	FERRIER	90					10				80		
Low	1-2	39346-21	15-09-038-07W5	WE	07-16-038-07W5	FERRIER	90					4				80		
Low	1-2	10117-22	05-08-038-07W5	WE	05-17-038-07W5	FERRIER	90					5				80		
Low	1-2	14052-9	11-19-038-07W5	PL	11-19-038-07W5	FERRIER	90					4				20		
Low	1-2	7307-10	11-19-038-07W5	BE	11-19-038-07W5	FERRIER										20		
Low	1-2	37253-99	12-36-038-07W5	WE	10-36-038-07W5	FERRIER	90					4				80		
Low	1-2	24564-1	10-36-038-08W5	B	11-35-038-08W5	FERRIER										80		
Low	1-2	18821-9	02-29-038-22W4	WE	08-29-038-22W4	NEVIS	90					4				20		
Low	1-2	16902-5	11-16-038-26W4	PL	13-16-038-26W4	JOFFRE	90					4				20		
Low	1-2	5202-164	07-21-037-26W4	PL	02-21-037-26W4	JOFFRE	90					4				20		
Low	1-2	12159-49	01-09-037-26W4	WE	08-09-037-26W4	JOFFRE	90					4				80		
Low	1-2	33832-2	08-14-036-03W5	BE	08-14-036-03W5	GARRINGTON										20		
Low	1-2	19810-5	04-10-036-11W4	IP	02-05-036-11W4	PROVOST										40		
Low	1-2	2093-1	15-36-036-16W4	BE	15-36-036-16W4	PROVOST										20		
Low	1-2	19441-4	14-24-036-17W4	PL	14-24-036-17W4	LEO	90					4				20		
Low	1-2	6827-70	16-27-035-17W4	PL	16-27-035-17W4	LEO	90									20		
Low	1-2	1034-71	16-27-035-17W4	PL	16-27-035-17W4	LEO	90					4				20		
Low	1-2	4924-3	01-19-035-21W4	GP	01-19-035-21W4	RICH	90									40		
Low	1-2	19229-6	16-04-035-21W4	WE	16-04-035-21W4	RICH	90					4				20		
Low	1-2	36796-2	08-20-034-13W4	WE	08-20-034-13W4	SULLIVAN LAKE	90									40		
Low	1-2	22633-11	02-25-034-21W4	BE	07-25-034-21W4	RICH										20		
Low	1-2	28413-107	13-31-033-11W4	WE	12-31-033-11W4	GARDEN PLAINS	90									40		
Low	1-2	21833-148	01-31-033-11W4	WE	01-31-033-11W4	PROVOST	90									40		
Low	1-2	25876-5	10-07-033-12W4	PL	16-07-033-12W4	GARDEN PLAINS	90					4				20		
Low	1-2	4187-83	14-28-033-12W4	WE	14-28-033-12W4	GARDEN PLAINS	90									40		
Low	1-2	10767-176	02-02-033-12W4	WE	03-02-033-12W4	GARDEN PLAINS	90									20		
Low	1-2	13487-154	01-23-033-12W4	PL	15-14-033-12W4	GARDEN PLAINS	90									60		
Low	1-2	22897-201	08-28-033-12W4	WE	06-28-033-12W4	GARDEN PLAINS	90									80		
Low	1-2	28413-174	01-16-033-14W4	WE	15-09-033-14W4	HANNA	90									80		
Low	1-2	9379-7	13-09-033-21W4	WE	13-09-033-21W4	TROCHU	90									20		
Low	1-2	5686-2	13-03-033-21W4	WE	04-10-033-21W4	TROCHU	90					4				20		
Low	1-2	5248-6	02-02-033-21W4	WE	02-02-033-21W4	TROCHU	90					4				20		
Low	1-2	35865-11	04-10-033-21W4	WE	04-10-033-21W4	TROCHU	90									40		
Low	1-2	12153-5	01-10-033-21W4	PL	02-10-033-21W4	TROCHU	90					4				20		
Low	1-2	32408-8	14-02-033-21W4	WE	11-02-033-21W4	TROCHU	90					4				20		
Low	1-2	13503-9	02-09-033-21W4	WE	07-09-033-21W4	TROCHU	90									40		
Low	1-2	17993-1	06-08-033-24W4	BE	08-06-033-24W4	TWINING										160		
Low	1-2	5959-168	13-33-032-01W4	PL	13-33-032-14W4	ESTHER	90					4				20		
Low	1-2	38902-6	04-04-031-06W4	PL	05-04-031-06W4	SEDALIA	90					4				20		
Low	1-2	19050-50	11-10-031-11W4	WE	06-10-031-11W4	RACOSTA	90					4				20		
Low	1-2	23525-73	16-27-031-14W4	WE	06-33-031-14W4	HANNA	90					4				40		
Low	1-2	6900-219	08-27-031-14W4	WE	16-27-031-14W4	HANNA	90									80		
Low	1-2	11832-21	15-04-031-15W4	WE	15-04-031-15W4	WATTS	90					4				20		
Low	1-2	4709-119	15-30-031-16W4	BE	16-30-031-16W4	CRAIGMYLE										20		
Low	1-2	6347-120	16-19-031-16W4	WE	15-19-031-16W4	CRAIGMYLE	90					4				20		
Low	1-2	16656-12	04-08-031-18W4	GP	04-08-031-18W4	MICHICHI	90					4				20		
Low	1-2	43267-10	01-15-031-18W4	WE	08-15-031-18W4	MICHICHI	90					4				20		
Low	1-2	40781-12	01-17-031-18W4	BE	08-17-031-18W4	MICHICHI										20		
Low	1-2	2046-15	09-01-031-19W4	WE	08-01-031-19W4	WAYNE-ROSEDALE	90					4				20		
Low	1-2	34813-3	07-21-031-19W4	BE	06-21-031-19W4	WAYNE-ROSEDALE										20		
Low	1-2	15978-11	06-27-030-10W4	WE	06-27-030-10W4	STANMORE	90					5				20		
Low	1-2	10086-21	06-11-030-10W4	PL	06-11-030-10W4	SOUNDING	90					5				20		
Low	1-2	6669-13	08-31-030-15W4	WE	08-31-030-15W4	WATTS	90					4				20		
Low	1-2	5444-18	04-34-030-24W4	BE	03-33-030-24W4	TWINING										80		
Low	1-2	10533-18	07-15-030-24W4	WE	07-15-030-24W4	SWALWELL	90					4				20		
Low	1-2	13955-11	08-04-029-08W4	PL	08-04-029-08W4	CHINOOK	90									20		
Low	1-2	17880-12	08-04-029-08W4	PL	08-04-029-08W4	CHINOOK	90									20		
Low	1-2	3460-12	01-25-029-14W4	PL	16-24-029-14W4	WILDUNN CREEK						4				20		
Low	1-2	21551-1	06-32-029-14W4	WE	15-32-029-14W4	HANNA	90					4				80		
Low	1-2	3543-66	08-06-029-15W4	CS	08-06-029-15W4	CESSFORD	90					4				20		
Low	1-2	46734-1	01-13-029-15W4	WE	08-13-029-15W4	COYOTE	90					4				20		
Low	1-2	22882-1	12-29-029-15W4	WE	05-29-029-15W4	COYOTE	90					4				20		
Low	1-2	11748-1	14-35-029-24W4	BE	04-23-030-24W4	SWALWELL										80		
Low	1-2	34392-7	12-11-028-09W4	PL	13-11-028-09W4	HEATHDALE	90					4				20		
Low	1-2	17425-11	09-09-028-09W4	PL	08-09-028-09W4	HEATHDALE	90					4				20		
Low	1-2	6316-19	14-33-028-11W4	WE	14-33-028-11W4	STANMORE	90					4				20		
Low	1-2	2611-56	10-33-028-15W4	PL	10-33-028-15W4	COYOTE	90					6				20		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	1-2	8058-102	01-21-028-17W4	WE	03-21-028-17W4	CESSFORD	90					4				20		
Low	1-2	26128-5	07-28-028-18W4	PL	10-28-028-18W4	AERIAL	90					4				20		
Low	1-2	38785-1	07-04-028-18W4	WE	07-04-028-18W4	WAYNE-ROSEDALE	90					4				20		
Low	1-2	35370-2	02-01-028-18W4	WE	08-01-028-18W4	WAYNE-ROSEDALE	90					4				20		
Low	1-2	11767-11	06-32-028-18W4	WE	11-32-028-18W4	AERIAL	90					4				20		
Low	1-2	7953-3	13-22-028-19W4	B	14-22-028-19W4	WAYNE-ROSEDALE	90									40		
Low	1-2	4334-1	10-14-028-19W4	WE	10-14-028-19W4	WAYNE-ROSEDALE	90					4				20		
Low	1-2	4777-2	04-30-027-11W4	GP	04-30-027-11W4	BERRY	90									20		
Low	1-2	52480-51	04-30-027-11W4	B	04-30-027-11W4	BERRY	90					4				20		
Low	1-2	12700-57	06-08-027-12W4	BE	06-08-027-12W4	BERRY										20		
Low	1-2	51955-58	06-08-027-12W4	BE	06-08-027-12W4	BERRY										20		
Low	1-2	52480-32	03-27-027-12W4	WE	02-27-027-12W4	BERRY	90					4				20		
Low	1-2	4242-6	08-28-027-14W4	WE	08-28-027-14W4	CESSFORD	90					4				20		
Low	1-2	36025-6	03-09-027-16W4	PL	03-09-027-16W4	CESSFORD	90					4				20		
Low	1-2	28787-8	16-04-027-16W4	BE	01-09-027-16W4	CESSFORD										20		
Low	1-2	8716-7	06-31-027-17W4	WE	04-31-027-17W4	CESSFORD	90					4				20		
Low	1-2	31276-1	10-14-027-17W4	WE	10-14-027-17W4	CESSFORD	90					4				20		
Low	1-2	8647-1	08-34-027-18W4	WE	08-34-027-18W4	WAYNE-ROSEDALE	90									20		
Low	1-2	27801-3	01-17-026-10W4	PL	01-17-026-10W4	SUNNYNOOK	90					4				20		
Low	1-2	2727-32	08-05-026-12W4	BE	07-05-026-12W4	CESSFORD										40		
Low	1-2	14487-2	14-04-026-12W4	WE	14-04-026-12W4	CESSFORD	90									40		
Low	1-2	17099-18	01-06-026-12W4	WE	01-06-026-12W4	CESSFORD	90									40		
Low	1-2	13562-2	06-04-026-12W4	WE	03-04-026-12W4	CESSFORD	90					4				40		
Low	1-2	37740-2	07-05-026-12W4	B	02-05-026-12W4	CESSFORD	90					5				20		
Low	1-2	12973-98	07-05-026-12W4	B	02-05-026-12W4	CESSFORD	90									40		
Low	1-2	27126-106	09-17-026-12W4	WE	05-16-026-12W4	CESSFORD	90					4				80		
Low	1-2	52499-27	05-16-026-12W4	WE	16-09-026-12W4	SEDGEWICK	90					4				80		
Low	1-2	57272-28	16-09-026-12W4	WE	04-10-026-12W4	SEDGEWICK	90					4				80		
Low	1-2	50113-29	10-09-026-12W4	BE	09-09-026-12W4	SEDGEWICK										40		
Low	1-2	34203-104	08-02-026-13W4	WE	01-02-026-13W4	CESSFORD	90					4				80		
Low	1-2	15163-3	04-03-026-14W4	PL	04-03-026-14W4	CESSFORD	90					4				20		
Low	1-2	42571-2	07-25-026-15W4	WE	16-25-026-15W4	CESSFORD	90					4				20		
Low	1-2	5448-106	16-33-026-18W4	WE	08-03-027-18W4	CESSFORD	90					4				80		
Low	1-2	2334-107	16-34-026-18W4	WE	10-34-026-18W4	CESSFORD	90					4				80		
Low	1-2	43321-3	11-21-025-10W4	WE	11-21-025-10W4	POLLOCKVILLE	90					5				20		
Low	1-2	3704-2	08-04-025-11W4	WE	06-33-024-11W4	CESSFORD	90					4				40		
Low	1-2	1-290	08-04-025-12W4	WE	05-03-025-12W4	CESSFORD	90					4				20		
Low	1-2	7768-1	02-27-025-12W4	S	16-27-025-12W4	CESSFORD										40		
Low	1-2	6486-99	16-32-025-12W4	BE	07-05-026-12W4	CESSFORD										80		
Low	1-2	1-369	08-24-025-13W4	WE	16-13-025-13W4	CESSFORD	90					4				40		
Low	1-2	4823-57	16-08-025-13W4	MS	01-17-025-13W4	CESSFORD	90					4				20		
Low	1-2	2510-77	16-33-025-14W4	WE	04-03-026-14W4	CESSFORD	90					4				40		
Low	1-2	2338-124	11-08-025-14W4	WE	11-08-025-14W4	CONNORSVILLE	90					4				20		
Low	1-2	9466-127	01-16-025-14W4	WE	01-16-025-14W4	CONNORSVILLE	90					4				20		
Low	1-2	6904-128	12-16-025-14W4	WE	05-16-025-14W4	CONNORSVILLE	90					4				20		
Low	1-2	8798-133	04-19-025-14W4	WE	05-19-025-14W4	CONNORSVILLE	90					4				20		
Low	1-2	9466-139	13-07-025-14W4	WE	16-12-025-15W4	CONNORSVILLE	90					4				20		
Low	1-2	4566-166	01-07-025-14W4	WE	16-06-025-14W4	CONNORSVILLE	90					4				20		
Low	1-2	3786-185	12-06-025-14W4	WE	09-01-025-15W4	CONNORSVILLE	90					4				20		
Low	1-2	10134-187	09-08-025-14W4	WE	09-08-025-14W4	CONNORSVILLE	90					4				20		
Low	1-2	1670-141	13-12-025-15W4	WE	14-12-025-15W4	CONNORSVILLE	90					4				20		
Low	1-2	1-350	14-18-024-11W4	WE	14-18-024-11W4	CESSFORD	90					4				20		
Low	1-2	2-77	08-20-024-12W4	WE	08-20-024-12W4	CESSFORD	90					4				20		
Low	1-2	1-340	16-27-024-12W4	WE	16-27-024-12W4	CESSFORD	90					4				20		
Low	1-2	1960-8	08-08-024-12W4	WE	08-08-024-12W4	CESSFORD	90					4				20		
Low	1-2	7803-52	08-19-024-12W4	WE	08-19-024-12W4	CESSFORD	90					4				20		
Low	1-2	4196-127	02-02-024-14W4	WE	07-02-024-14W4	MATZIWIN	90					4				20		
Low	1-2	10357-138	01-22-024-14W4	WE	08-22-024-14W4	MATZIWIN	90					4				20		
Low	1-2	2450-144	10-18-024-14W4	WE	15-18-024-14W4	MATZIWIN	90					4				20		
Low	1-2	10691-155	14-17-024-14W4	WE	06-17-024-14W4	MATZIWIN	90					4				20		
Low	1-2	8909-176	09-28-024-14W4	WE	09-28-024-14W4	MATZIWIN	90					4				20		
Low	1-2	9689-180	13-28-024-14W4	WE	13-28-024-14W4	MATZIWIN	90					4				20		
Low	1-2	9243-219	08-18-024-14W4	WE	08-18-024-14W4	MATZIWIN	90					4				20		
Low	1-2	18538-130	11-06-024-14W4	PL	14-06-024-14W4	MATZIWIN	90					4				20		
Low	1-2	13949-30	14-28-024-16W4	WE	10-28-024-16W4	WINTERING HILLS	90					4				40		
Low	1-2	33693-29	04-07-023-12W4	WE	03-07-023-12W4	CESSFORD	90					4				20		
Low	1-2	17785-20	11-05-023-12W4	WE	11-05-023-12W4	CESSFORD	90					4				20		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1 CHOOSE IF RELIABLE PIGGING HAS OCCURRED	STEP 2 IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				STEP 3 CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				STEP 4 NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	1-2	28769-24	03-04-023-12W4	WE	04-04-023-12W4	CESSFORD	90					4				20		
Low	1-2	6275-115	02-06-023-13W4	WE	07-06-023-13W4	MATZIWIN	90					4				20		
Low	1-2	13152-65	02-08-023-13W4	WE	08-08-023-13W4	CESSFORD	90					4				40		
Low	1-2	4745-5	02-02-023-13W4	WE	07-02-023-13W4	CESSFORD	90					4				20		
Low	1-2	12813-9	04-09-023-13W4	WE	16-05-023-13W4	CESSFORD	90					4				20		
Low	1-2	30846-11	04-10-023-13W4	WE	06-10-023-13W4	CESSFORD	90					4				20		
Low	1-2	9491-14	02-11-023-13W4	WE	02-11-023-13W4	CESSFORD	90					4				20		
Low	1-2	35570-33	05-12-023-13W4	WE	04-12-023-13W4	CESSFORD	90					4				20		
Low	1-2	30862-34	11-12-023-13W4	WE	11-12-023-13W4	CESSFORD	90					4				20		
Low	1-2	31908-41	07-12-023-13W4	WE	06-12-023-13W4	CESSFORD	90					4				20		
Low	1-2	40196-25	03-15-023-13W4	WE	02-15-023-13W4	CESSFORD	90					4				40		
Low	1-2	2655-131	01-26-023-14W4	WE	01-26-023-14W4	MATZIWIN	90					4				20		
Low	1-2	8308-170	12-19-023-14W4	WE	05-19-023-14W4	MATZIWIN	90					4				20		
Low	1-2	4453-178	03-11-023-14W4	WE	06-11-023-14W4	MATZIWIN	90					4				20		
Low	1-2	6338-197	12-26-023-14W4	WE	11-26-023-14W4	MATZIWIN	90					4				20		
Low	1-2	2226-199	11-27-023-14W4	WE	11-27-023-14W4	MATZIWIN	90					4				20		
Low	1-2	6338-205	10-34-023-14W4	WE	10-34-023-14W4	MATZIWIN	90					4				20		
Low	1-2	7098-126	01-12-023-14W4	WE	16-01-023-14W4	MATZIWIN	90					4				20		
Low	1-2	7201-127	09-12-023-14W4	WE	09-12-023-14W4	MATZIWIN	90					4				20		
Low	1-2	4835-129	03-12-023-14W4	WE	03-12-023-14W4	MATZIWIN	90					4				20		
Low	1-2	9571-36	02-28-023-14W4	WE	03-28-023-14W4	MATZIWIN	90					4				20		
Low	1-2	1029-44	15-21-023-14W4	WE	14-21-023-14W4	MATZIWIN	90					4				20		
Low	1-2	4025-6	10-02-023-14W4	WE	10-02-023-14W4	MATZIWIN	90					4				20		
Low	1-2	5224-138	12-24-023-15W4	WE	05-24-023-15W4	VERGER	90					4				20		
Low	1-2	2569-144	04-28-023-15W4	WE	05-28-023-15W4	WINTERING HILLS	90					4				20		
Low	1-2	8308-156	04-23-023-15W4	WE	05-23-023-15W4	VERGER	90					4				20		
Low	1-2	5224-158	06-22-023-15W4	WE	06-22-023-15W4	VERGER	90					4				20		
Low	1-2	1627-162	02-23-023-15W4	WE	03-23-023-15W4	VERGER	90					4				20		
Low	1-2	8479-163	10-14-023-15W4	WE	07-14-023-15W4	VERGER	90					4				20		
Low	1-2	25992-119	14-18-023-15W4	WE	02-19-023-15W4	VERGER	90					4				40		
Low	1-2	57182-123	12-21-023-15W4	WE	06-21-023-15W4	VERGER	90					4				40		
Low	1-2	6931-143	03-18-023-15W4	WE	06-18-023-15W4	VERGER	90					4				20		
Low	1-2	6310-2	10-29-022-09W4	PL	08-29-022-09W4	JENNER										20		
Low	1-2	9673-1	03-32-022-09W4	WE	10-29-022-09W4	JENNER	90									80		
Low	1-2	11700-8	02-31-022-11W4	GP	02-31-022-11W4	CESSFORD	90					4				20		
Low	1-2	25151-41	04-22-022-12W4	WE	04-22-022-12W4	CESSFORD	90					4				20		
Low	1-2	7592-43	04-32-022-12W4	WE	04-32-022-12W4	CESSFORD	90					4				20		
Low	1-2	39721-2	04-21-022-12W4	WE	04-21-022-12W4	CESSFORD	90					4				20		
Low	1-2	38096-14	12-16-022-12W4	WE	12-16-022-12W4	CESSFORD	90					4				20		
Low	1-2	11573-16	12-30-022-12W4	WE	12-30-022-12W4	CESSFORD	90					4				20		
Low	1-2	31344-36	04-19-022-12W4	WE	04-19-022-12W4	CESSFORD	90					4				20		
Low	1-2	29156-6	03-09-022-12W4	WE	03-09-022-12W4	CESSFORD	90					4				20		
Low	1-2	27200-4	11-22-022-12W4	WE	10-22-022-12W4	CESSFORD	90					4				20		
Low	1-2	23539-9	07-27-022-12W4	WE	02-27-022-12W4	CESSFORD	90					4				20		
Low	1-2	11507-14	01-32-022-12W4	WE	16-29-022-12W4	CESSFORD	90					4				20		
Low	1-2	9259-87	10-19-022-13W4	WE	15-19-022-13W4	VERGER	90					4				20		
Low	1-2	7921-101	12-18-022-13W4	WE	11-18-022-13W4	VERGER	90					4				20		
Low	1-2	3136-7	02-04-022-13W4	WE	03-04-022-13W4	VERGER	90					4				20		
Low	1-2	10914-48	10-24-022-13W4	WE	10-24-022-13W4	VERGER	90					4				20		
Low	1-2	10440-49	12-24-022-13W4	WE	12-24-022-13W4	VERGER	90					4				20		
Low	1-2	16135-50	04-25-022-13W4	WE	04-25-022-13W4	VERGER	90					4				20		
Low	1-2	25626-54	10-16-022-13W4	WE	07-16-022-13W4	VERGER	90					4				20		
Low	1-2	28473-64	12-25-022-13W4	WE	14-25-022-13W4	VERGER	90					4				20		
Low	1-2	27757-5	10-25-022-13W4	WE	10-25-022-13W4	VERGER	90					4				20		
Low	1-2	31585-6	10-26-022-13W4	WE	09-26-022-13W4	VERGER	90					4				20		
Low	1-2	25075-8	04-24-022-13W4	WE	04-24-022-13W4	VERGER	90					4				20		
Low	1-2	12537-21	10-14-022-13W4	WE	15-14-022-13W4	VERGER	90					4				20		
Low	1-2	19771-28	15-10-022-13W4	WE	15-10-022-13W4	VERGER	90					4				20		
Low	1-2	24593-34	15-11-022-13W4	WE	15-11-022-13W4	VERGER	90					4				20		
Low	1-2	32791-45	09-23-022-13W4	WE	12-24-022-13W4	VERGER	90					4				20		
Low	1-2	20253-46	09-22-022-13W4	WE	12-23-022-13W4	VERGER	90					4				20		
Low	1-2	14352-1	12-28-022-13W4	WE	12-28-022-13W4	VERGER	90					4				20		
Low	1-2	43479-9	02-28-022-13W4	WE	15-21-022-13W4	VERGER	90					4				20		
Low	1-2	47601-35	11-15-022-13W4	WE	06-15-022-13W4	VERGER	90					4				20		
Low	1-2	43416-48	01-15-022-13W4	WE	01-15-022-13W4	VERGER	90					4				20		
Low	1-2	13461-67	11-16-022-14W4	WE	15-16-022-14W4	VERGER	90					4				20		
Low	1-2	17257-5	09-18-021-03W5	WE	09-18-021-03W5	TURNER VALLEY	90					4				40		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	11919-11	09-18-021-03W5	PL	09-18-021-03W5	TURNER VALLEY	90					4				40			
Low	1-2	3827-58	14-19-021-05W4	WE	13-19-021-05W4	ATLEE-BUFFALO	90					4				20			
Low	1-2	15736-11	08-19-021-05W4	BE	07-19-021-05W4	ATLEE-BUFFALO										20			
Low	1-2	8073-7	05-20-021-05W4	BE	07-19-021-05W4	ATLEE-BUFFALO										80			
Low	1-2	9960-428	01-20-021-10W4	PL	01-20-021-10W4	PRINCESS	90					4				20			
Low	1-2	2594-526	04-08-021-10W4	WE	14-05-021-10W4	PRINCESS	90					4				20			
Low	1-2	6225-582	08-03-021-10W4	WE	08-03-021-10W4	PRINCESS	90					4				20			
Low	1-2	7055-586	05-04-021-10W4	WE	06-04-021-10W4	PRINCESS	90					4				20			
Low	1-2	7989-591	04-02-021-10W4	WE	06-02-021-10W4	PRINCESS	90					4				20			
Low	1-2	5499-510	06-25-021-11W4	WE	12-25-021-11W4	PRINCESS	90					4				20			
Low	1-2	4916-14	05-31-021-12W4	BE	05-31-021-12W4	PRINCESS										20			
Low	1-2	3167-22	04-24-021-12W4	PL	07-26-021-12W4	PRINCESS	90					4				40			
Low	1-2	43481-15	02-27-020-03W5	PL	02-27-020-03W5	TURNER VALLEY	90					5				40			
Low	1-2	2905-500	14-23-020-10W4	WE	03-26-020-10W4	PRINCESS	90					4				20			
Low	1-2	2178-569	06-28-020-10W4	WE	06-28-020-10W4	PRINCESS	90					4				20			
Low	1-2	4150-577	14-34-020-10W4	WE	11-34-020-10W4	PRINCESS	90					4				20			
Low	1-2	2905-663	08-15-020-10W4	WE	07-15-020-10W4	PRINCESS	90					4				20			
Low	1-2	119-3	08-21-020-11W4	PL	08-21-020-11W4	PRINCESS	90					4				20			
Low	1-2	1072-97	04-14-020-11W4	WE	04-14-020-11W4	PRINCESS	90					4				20			
Low	1-2	5806-108	10-10-020-11W4	WE	07-10-020-11W4	PRINCESS	90					4				20			
Low	1-2	6058-115	04-15-020-11W4	WE	01-16-020-11W4	PRINCESS	90					4				20			
Low	1-2	3597-124	16-29-020-11W4	WE	16-29-020-11W4	PRINCESS	90					4				20			
Low	1-2	1135-129	16-28-020-11W4	PL	15-28-020-11W4	PRINCESS	90					4				20			
Low	1-2	5823-8	12-12-020-12W4	B	09-11-020-12W4	PRINCESS										20			
Low	1-2	3851-122	11-02-019-02W4	WE	11-02-019-02W4	MEDICINE HAT	90									40			
Low	1-2	7894-123	11-03-019-02W4	WE	11-03-019-02W4	MEDICINE HAT	90					4				20			
Low	1-2	8665-124	06-08-019-02W4	WE	11-08-019-02W4	MEDICINE HAT	90					4				20			
Low	1-2	6450-125	08-09-019-02W4	WE	08-09-019-02W4	MEDICINE HAT	90					4				20			
Low	1-2	3754-130	08-15-019-02W4	WE	10-15-019-02W4	MEDICINE HAT	90					4				20			
Low	1-2	1733-148	06-25-019-02W4	WE	06-25-019-02W4	MEDICINE HAT	90									20			
Low	1-2	7366-536	02-15-019-10W4	WE	02-15-019-10W4	PRINCESS	90					4				20			
Low	1-2	3320-545	10-20-019-10W4	WE	09-20-019-10W4	PRINCESS	90					4				20			
Low	1-2	6848-551	04-29-019-10W4	WE	03-29-019-10W4	PRINCESS	90					4				20			
Low	1-2	2594-560	08-31-019-10W4	WE	07-31-019-10W4	PRINCESS	90					4				20			
Low	1-2	11145-223	16-08-019-10W4	WE	10-08-019-10W4	PRINCESS	90					4				20			
Low	1-2	8645-46	01-06-019-10W4	WE	08-06-019-10W4	PRINCESS	90					4				20			
Low	1-2	6153-288	01-04-019-11W4	WE	14-33-018-11W4	PRINCESS	90					4				20			
Low	1-2	4527-289	09-04-019-11W4	WE	10-04-019-11W4	PRINCESS	90					4				20			
Low	1-2	9519-225	02-12-019-12W4	WE	02-12-019-12W4	PRINCESS	90					4				20			
Low	1-2	23680-136	08-07-019-13W4	WE	05-08-019-13W4	BANTRY	90					4				20			
Low	1-2	31766-140	02-09-019-13W4	WE	08-09-019-13W4	BANTRY	90					4				20			
Low	1-2	29456-144	12-11-019-13W4	WE	13-11-019-13W4	BANTRY	90					4				20			
Low	1-2	35809-147	08-15-019-13W4	WE	01-15-019-13W4	BANTRY	90					4				20			
Low	1-2	29456-151	12-30-019-13W4	WE	11-30-019-13W4	BANTRY	90					4				20			
Low	1-2	9818-165	16-24-019-13W4	WE	16-24-019-13W4	BANTRY	90					4				20			
Low	1-2	17327-201	03-04-019-13W4	WE	06-04-019-13W4	BANTRY	90					4				20			
Low	1-2	9680-126	10-21-019-14W4	WE	07-21-019-14W4	BANTRY	90					4				20			
Low	1-2	13587-166	12-20-019-14W4	WE	14-20-019-14W4	BANTRY	90					4				20			
Low	1-2	42737-1	08-33-019-14W4	WE	08-33-019-14W4	BANTRY	90					4				20			
Low	1-2	50823-2	10-33-019-14W4	WE	10-33-019-14W4	BANTRY	90					4				20			
Low	1-2	46204-7	05-24-019-14W4	PL	01-23-019-14W4	BANTRY	90					4				20			
Low	1-2	47936-8	01-23-019-14W4	PL	05-24-019-14W4	BANTRY	90					4				20			
Low	1-2	43317-160	16-26-019-14W4	WE	15-26-019-14W4	BANTRY	90					4				20			
Low	1-2	17327-162	08-35-019-14W4	WE	07-35-019-14W4	BANTRY	90					4				20			
Low	1-2	6930-163	10-35-019-14W4	WE	10-35-019-14W4	BANTRY	90					4				20			
Low	1-2	28300-171	12-29-019-14W4	WE	12-29-019-14W4	BANTRY	90					4				20			
Low	1-2	21370-174	12-31-019-14W4	WE	05-31-019-14W4	COUNTRESS	90					4				20			
Low	1-2	42162-176	10-30-019-14W4	WE	10-30-019-14W4	BANTRY	90					4				20			
Low	1-2	41007-183	01-24-019-14W4	WE	01-24-019-14W4	BANTRY	90					4				20			
Low	1-2	54869-190	04-33-019-14W4	WE	14-28-019-14W4	BANTRY	90					4				20			
Low	1-2	19637-209	15-30-019-14W4	WE	10-30-019-14W4	BANTRY	90					4				20			
Low	1-2	9818-216	16-30-019-14W4	WE	15-30-019-14W4	BANTRY	90					4				20			
Low	1-2	23680-221	11-22-019-14W4	WE	12-22-019-14W4	BANTRY	90					4				20			
Low	1-2	34654-224	05-23-019-14W4	WE	06-23-019-14W4	BANTRY	90					4				20			
Low	1-2	21370-230	04-26-019-14W4	WE	03-26-019-14W4	BANTRY	90					4				20			
Low	1-2	42162-237	07-27-019-14W4	WE	02-27-019-14W4	BANTRY	90					4				20			
Low	1-2	12706-239	10-27-019-14W4	WE	11-27-019-14W4	BANTRY	90					4				20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2				STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS				CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	1-2	16171-240	13-27-019-14W4	WE	13-27-019-14W4	BANTRY	90					4				20		
Low	1-2	38119-245	01-35-019-14W4	WE	16-26-019-14W4	BANTRY	90					4				20		
Low	1-2	39852-248	13-35-019-14W4	WE	14-35-019-14W4	BANTRY	90					4				20		
Low	1-2	52558-249	15-35-019-14W4	WE	15-35-019-14W4	BANTRY	90					4				20		
Low	1-2	9818-254	14-28-019-14W4	WE	14-28-019-14W4	BANTRY	90					4				20		
Low	1-2	6353-255	15-33-019-14W4	WE	16-33-019-14W4	BANTRY	90					4				20		
Low	1-2	52558-257	15-32-019-14W4	WE	15-32-019-14W4	BANTRY	90					4				20		
Low	1-2	18482-258	08-24-019-14W4	WE	08-24-019-14W4	BANTRY	90					4				20		
Low	1-2	20214-260	02-01-019-14W4	PL	07-01-019-14W4	BANTRY	90					4				20		
Low	1-2	13566-12	06-06-019-19W4	PL	06-06-019-19W4	MAJORVILLE	90					4				20		
Low	1-2	14506-184	06-18-019-20W4	PL	12-07-019-20W4	MAJORVILLE	90					8				20		
Low	1-2	4982-245	04-36-018-10W4	WE	04-36-018-10W4	PRINCESS	90					4				20		
Low	1-2	3357-263	03-16-018-10W4	WE	06-16-018-10W4	ALDERSON	90					4				20		
Low	1-2	5632-264	09-17-018-10W4	WE	09-17-018-10W4	ALDERSON	90					4				20		
Low	1-2	5523-280	10-02-018-10W4	WE	11-02-018-10W4	JENNER	90					4				20		
Low	1-2	9747-285	02-18-018-10W4	WE	02-18-018-10W4	ALDERSON	90					4				20		
Low	1-2	5307-303	12-10-018-10W4	WE	12-10-018-10W4	PRINCESS	90					4				20		
Low	1-2	7690-330	12-25-018-10W4	WE	11-25-018-10W4	PRINCESS	90					4				20		
Low	1-2	7365-337	09-04-018-10W4	WE	15-04-018-10W4	ALDERSON	90					4				20		
Low	1-2	2816-389	01-15-018-10W4	PL	02-15-018-10W4	ALDERSON	90					4				20		
Low	1-2	9639-390	01-15-018-10W4	PL	02-15-018-10W4	ALDERSON	90					4				20		
Low	1-2	2599-391	01-16-018-10W4	PL	01-16-018-10W4	ALDERSON	90					4				20		
Low	1-2	9707-9	01-35-018-10W4	WE	02-35-018-10W4	PRINCESS	90					4				20		
Low	1-2	45787-31	01-16-018-10W4	CS	16-09-018-10W4	ALDERSON	90					4				20		
Low	1-2	45200-32	11-35-018-10W4	CS	11-35-018-10W4	PRINCESS	90					4				20		
Low	1-2	4992-191	10-34-018-11W4	WE	10-34-018-11W4	PRINCESS	90					4				20		
Low	1-2	7894-200	10-26-018-11W4	WE	15-26-018-11W4	PRINCESS	90					4				20		
Low	1-2	3018-249	02-36-018-11W4	WE	15-25-018-11W4	PRINCESS	90					4				20		
Low	1-2	3018-266	15-02-018-11W4	WE	15-02-018-11W4	ALDERSON	90					4				20		
Low	1-2	4644-267	04-03-018-11W4	WE	03-03-018-11W4	ALDERSON	90					4				20		
Low	1-2	11493-269	13-03-018-11W4	WE	11-03-018-11W4	ALDERSON	90					4				20		
Low	1-2	1509-271	05-10-018-11W4	WE	03-10-018-11W4	ALDERSON	90					4				20		
Low	1-2	7662-274	15-10-018-11W4	WE	14-10-018-11W4	ALDERSON	90					4				20		
Low	1-2	10681-277	02-20-018-11W4	WE	06-20-018-11W4	ALDERSON	90					4				20		
Low	1-2	8939-281	04-29-018-11W4	WE	06-29-018-11W4	PRINCESS	90					4				20		
Low	1-2	9636-286	05-31-018-11W4	WE	03-31-018-11W4	PRINCESS	90					4				20		
Low	1-2	3151-75	06-12-018-12W4	WE	06-12-018-12W4	ALDERSON	90					4				20		
Low	1-2	6181-76	02-11-018-12W4	WE	07-11-018-12W4	ALDERSON	90					4				20		
Low	1-2	27693-89	13-09-018-12W4	WE	13-09-018-12W4	BANTRY	90					4				20		
Low	1-2	9090-61	02-03-018-13W4	WE	02-03-018-13W4	BANTRY	90					4				20		
Low	1-2	25529-245	02-36-018-13W4	WE	02-36-018-13W4	BANTRY	90					4				20		
Low	1-2	20606-2	04-31-018-19W4	GP	03-31-018-19W4	MAJORVILLE	90					4				20		
Low	1-2	24792-122	14-36-018-19W4	PL	12-36-018-19W4	EYREMORE	90					4				20		
Low	1-2	21100-189	12-33-018-21W4	PL	12-33-018-21W4	QUEENSTOWN	90					4				20		
Low	1-2	31699-28	05-20-017-10W4	WE	05-20-017-10W4	ALDERSON	90					4				20		
Low	1-2	1386-926	09-32-017-13W4	PL	09-32-017-13W4	BANTRY	90					4				20		
Low	1-2	2425-933	13-29-017-13W4	WE	13-29-017-13W4	BANTRY	90					4				20		
Low	1-2	17935-179	03-28-017-22W4	WE	02-28-017-22W4	LONG COULEE	90					4				20		
Low	1-2	17327-82	14-04-016-02W4	WE	14-04-016-02W4	MEDICINE HAT	90					4				20		
Low	1-2	43896-134	16-07-016-02W4	WE	14-07-016-02W4	MEDICINE HAT	90					4				40		
Low	1-2	17904-136	14-08-016-02W4	WE	11-08-016-02W4	MEDICINE HAT	90					4				40		
Low	1-2	44473-150	14-04-016-02W4	PL	14-04-016-02W4	MEDICINE HAT	90					4				20		
Low	1-2	6353-156	12-17-016-02W4	WE	10-18-016-02W4	MEDICINE HAT	90					4				40		
Low	1-2	36965-159	01-17-016-02W4	WE	14-08-016-02W4	MEDICINE HAT	90					4				40		
Low	1-2	27723-264	12-18-016-02W4	WE	11-18-016-02W4	MEDICINE HAT	90					4				20		
Low	1-2	2582-669	04-26-016-11W4	WE	13-23-016-11W4	ALDERSON	90					4				20		
Low	1-2	1999-739	02-23-016-11W4	WE	03-23-016-11W4	ALDERSON	90					4				20		
Low	1-2	3498-746	12-14-016-11W4	WE	09-15-016-11W4	ALDERSON	90					4				20		
Low	1-2	7080-754	02-04-016-11W4	WE	02-04-016-11W4	ALDERSON	90					4				20		
Low	1-2	4248-757	10-09-016-11W4	WE	10-09-016-11W4	ALDERSON	90					4				20		
Low	1-2	4831-758	03-12-016-11W4	WE	06-12-016-11W4	ALDERSON	90					4				20		
Low	1-2	7883-942	07-28-016-11W4	PL	06-28-016-11W4	ALDERSON	90					4				20		
Low	1-2	3831-624	02-03-016-12W4	WE	06-03-016-12W4	ALDERSON	90					4				20		
Low	1-2	8330-664	06-09-016-12W4	WE	06-09-016-12W4	ALDERSON	90					4				20		
Low	1-2	6353-100	16-29-015-02W4	WE	14-29-015-02W4	MEDICINE HAT	90					4				40		
Low	1-2	57180-104	16-32-015-02W4	WE	14-32-015-02W4	MEDICINE HAT	90					4				40		
Low	1-2	25991-171	08-31-015-02W4	WE	16-31-015-02W4	MEDICINE HAT	90					4				40		

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-2	19909-44	09-28-012-27W4	PL	10-28-012-27W4	EASTMONT	90					4				20			
Low	1-2	6449-45	10-28-012-27W4	PL	09-28-012-27W4	EASTMONT	90					4				20			
Low	1-2	11767-3	04-15-011-08W4	PL	04-15-011-08W4	MEDICINE HAT	90					4				20			
Low	1-2	11394-189	06-16-011-08W4	WE	07-16-011-08W4	MEDICINE HAT	90					4				20			
Low	1-2	1435-64	15-19-009-16W4	BE	16-19-009-16W4	TABER										20			
Low	1-2	8097-7	06-08-009-16W4	BE	16-08-009-16W4	TABER										80			
Low	1-2	12000-267	04-32-008-16W4	WE	04-32-008-16W4	TABER	90					4				40			
Low	1-2	2400-271	13-29-008-16W4	PL	13-29-008-16W4	TABER	90					4				40			
Low	1-2	3592-7	02-20-007-16W4	PL	04-20-007-16W4	TABER SOUTH										40			
Low	1-2	2433-8	09-17-007-16W4	PL	04-20-007-16W4	TABER SOUTH										80			
Low	1-2	2549-9	07-17-007-16W4	WE	09-17-007-16W4	TABER SOUTH										20			
Low	1-2	1622-10	03-20-007-16W4	PL	02-20-007-16W4	TABER SOUTH										20			
Low	1-2	2086-12	14-09-007-16W4	WE	07-17-007-16W4	TABER SOUTH										80			
Low	1-2	23481-399	15-17-007-16W4	WE	15-17-007-16W4	TABER SOUTH	90					4				40			
Low	1-2	14605-1	09-26-002-08W4	WE	07-26-002-08W4	PENDANT D'OREILLE	90					4				20			
0-																			
Low	1-1	45204-1	05-14-099-06W6	BE	08-15-099-06W6	BIG ARROW										40			
Low	1-1	26037-4	08-21-097-11W6	BE	12-22-097-11W6	HAMBURG										20			
Low	1-1	18022-8	07-19-096-09W6	PL	07-19-096-09W6	CHINCHAGA										20			
Low	1-1	19303-1	06-23-073-04W6	PL	06-23-073-04W6	TEEPPEE										20			
Low	1-1	33801-1	01-23-073-05W6	PL	04-24-073-05W6	CLAIR										60			
Low	1-1	35079-2	06-13-073-05W6	BE	12-13-073-05W6	CLAIR										20			
Low	1-1	9033-6	07-22-073-06W6	PL	04-23-073-06W6	CLAIR										40			
Low	1-1	21179-4	12-11-073-06W6	PL	09-10-073-06W6	GRANDE PRAIRIE										20			
Low	1-1	19574-11	09-30-073-06W6	PL	10-30-073-06W6	GRANDE PRAIRIE										20			
Low	1-1	40265-1	04-23-073-06W6	PL	07-22-073-06W6	CLAIR										40			
Low	1-1	12136-1	06-29-073-07W4	MS	11-29-073-07W4	KIRBY										20			
Low	1-1	14186-1	13-21-073-07W4	BE	13-21-073-07W4	KIRBY										20			
Low	1-1	45656-5	11-21-073-07W4	PL	11-21-073-07W4	KIRBY										20			
Low	1-1	44044-8	16-20-073-07W4	PL	16-20-073-07W4	KIRBY										20			
Low	1-1	27395-16	08-36-073-07W6	PL	02-36-073-07W6	LA GLACE										60			
Low	1-1	11378-5	06-36-073-08W4	PL	06-36-073-08W4	KIRBY										20			
Low	1-1	11947-6	13-36-073-08W4	PL	06-35-073-08W4	KIRBY										40			
Low	1-1	13662-13	15-04-073-08W6	PL	07-04-073-08W6	WEMBLEY										40			
Low	1-1	24383-1	06-21-073-08W6	PL	04-21-073-08W6	WEMBLEY										40			
Low	1-1	4511-1	09-33-073-08W6	PL	01-04-074-08W6	WEMBLEY										40			
Low	1-1	22018-1	04-01-073-08W6	PL	04-01-073-08W6	WEMBLEY										20			
Low	1-1	22117-3	10-29-073-09W6	PL	07-29-073-09W6	WEMBLEY										20			
Low	1-1	9445-5	14-22-073-09W6	PL	13-22-073-09W6	WEMBLEY										60			
Low	1-1	12671-14	08-11-073-09W6	PL	04-12-073-09W6	WEMBLEY										40			
Low	1-1	6450-16	10-30-073-09W6	PL	09-30-073-09W6	WEMBLEY										40			
Low	1-1	14489-1	06-15-073-09W6	PL	12-15-073-09W6	WEMBLEY										60			
Low	1-1	14870-2	06-15-073-09W6	B	10-15-073-09W6	WEMBLEY										60			
Low	1-1	35078-7	14-16-073-09W6	PL	11-16-073-09W6	WEMBLEY										20			
Low	1-1	26642-4	09-34-073-10W6	PL	08-34-073-10W6	WEMBLEY										20			
Low	1-1	23787-5	16-21-073-10W6	GP	16-21-073-10W6	WEMBLEY										20			
Low	1-1	23787-6	08-34-073-10W6	PL	08-34-073-10W6	WEMBLEY										20			
Low	1-1	31154-16	04-07-073-10W6	PL	11-06-073-10W6	WEMBLEY										40			
Low	1-1	9347-1	16-21-073-10W6	MS	15-21-073-10W6	WEMBLEY										40			
Low	1-1	21747-15	14-17-072-04W6	PL	11-17-072-04W6	GRANDE PRAIRIE										20			
Low	1-1	11625-20	03-34-072-05W6	PL	08-33-072-05W6	GRANDE PRAIRIE										40			
Low	1-1	22205-2	08-27-072-05W6	PL	01-27-072-05W6	GRANDE PRAIRIE										20			
Low	1-1	41550-1	14-08-072-07W6	BE	15-08-072-07W6	WEMBLEY										20			
Low	1-1	6072-10	16-33-072-08W6	PL	14-33-072-08W6	WEMBLEY										40			
Low	1-1	9983-1	02-30-072-08W6	PL	01-30-072-08W6	WEMBLEY										60			
Low	1-1	18430-2	01-30-072-08W6	BE	01-30-072-08W6	WEMBLEY										20			
Low	1-1	29565-4	01-30-072-08W6	BE	01-30-072-08W6	WEMBLEY										20			
Low	1-1	16894-5	01-30-072-08W6	PL	01-30-072-08W6	WEMBLEY										20			
Low	1-1	25981-9	01-01-072-09W6	PL	08-01-072-09W6	WEMBLEY										20			
Low	1-1	25844-24	14-13-072-11W6	PL	14-13-072-11W6	SINCLAIR										20			
Low	1-1	26488-1	10-23-072-11W6	PL	10-23-072-11W6	SINCLAIR										20			
Low	1-1	9384-89	10-11-072-15W4	PL	10-11-072-15W4	NIXON	90					4				20			
Low	1-1	32423-1	09-31-070-09W6	BE	08-31-070-09W6	ELMWORTH										20			
Low	1-1	9440-5	04-02-070-15W4	MS	04-02-070-15W4	CHARRON	90									20			
Low	1-1	20381-1	05-24-070-21W4	BE	06-24-070-21W4	GAMBLER										20			
Low	1-1	22950-2	15-08-069-09W6	PL	02-17-069-09W6	ELMWORTH										20			
Low	1-1	271-7	03-06-069-21W5	PL	14-31-068-21W5	STURGEON LAKE SOUTH										20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume /slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-1	381-8	03-06-069-21W5	PL	03-06-069-21W5	STURGEON LAKE SOUTH										20			
Low	1-1	45083-9	09-07-069-21W5	WE	06-08-069-21W5	STURGEON LAKE SOUTH	90									80			
Low	1-1	1313-3	06-01-069-22W5	PL	06-01-069-22W5	STURGEON LAKE SOUTH										20			
Low	1-1	19080-78	02-22-068-04W4	PL	02-22-068-04W4	FISHER										20			
Low	1-1	13150-80	03-22-068-04W4	PL	03-22-068-04W4	FISHER										20			
Low	1-1	25011-82	03-27-068-04W4	PL	03-27-068-04W4	FISHER										20			
Low	1-1	17791-93	12-32-068-04W4	PL	12-32-068-04W4	FISHER										20			
Low	1-1	6961-97	06-34-068-04W4	PL	06-34-068-04W4	FISHER										20			
Low	1-1	1994-2	10-05-068-04W6	CS	10-05-068-04W6	ELMWORTH										20			
Low	1-1	5216-9	10-05-068-04W6	PL	10-05-068-04W6	ELMWORTH										20			
Low	1-1	5906-19	10-05-068-04W6	CS	10-05-068-04W5	ELMWORTH										20			
Low	1-1	7134-21	07-04-068-04W6	PL	07-04-068-04W6	ELMWORTH										20			
Low	1-1	14105-1	11-03-068-04W6	PL	06-03-068-04W6	ELMWORTH										20			
Low	1-1	20371-1	04-04-068-04W6	PL	13-33-067-04W6	ELMWORTH										60			
Low	1-1	3025-10	06-31-068-21W5	PL	07-31-068-21W5	STURGEON LAKE SOUTH										20			
Low	1-1	1739-1	11-34-068-22W5	PL	06-34-068-22W5	STURGEON LAKE SOUTH										20			
Low	1-1	21615-7	05-12-067-03W4	PL	05-12-067-03W4	MOORE										20			
Low	1-1	18086-9	08-12-067-03W4	PL	08-12-067-03W4	MOORE										20			
Low	1-1	4411-17	02-15-067-03W4	PL	02-15-067-03W4	MOORE										20			
Low	1-1	17645-18	05-23-067-03W4	PL	06-23-067-03W4	MOORE										20			
Low	1-1	15439-19	13-23-067-03W4	PL	13-23-067-03W4	MOORE										20			
Low	1-1	21174-20	07-27-067-03W4	PL	06-27-067-03W4	MOORE										20			
Low	1-1	18307-4	12-05-067-04W4	PL	12-05-067-04W4	MOORE										20			
Low	1-1	11603-35	01-09-067-04W4	PL	01-09-067-04W4	MOORE										20			
Low	1-1	14439-66	01-22-067-04W4	PL	08-22-067-04W4	MOORE										20			
Low	1-1	22690-71	04-34-067-04W4	PL	03-34-067-04W4	MOORE										20			
Low	1-1	5157-76	12-02-067-04W4	PL	08-03-067-04W4	MOORE										20			
Low	1-1	25739-3	04-05-067-04W4	PL	03-05-067-04W4	MOORE										20			
Low	1-1	16703-4	04-05-067-04W4	PL	04-05-067-04W4	LEMING										20			
Low	1-1	843-16	10-33-067-04W6	PL	06-33-067-04W6	ELMWORTH										20			
Low	1-1	2301-22	08-33-067-04W6	PL	08-33-067-04W6	ELMWORTH										20			
Low	1-1	3528-24	10-33-067-04W6	PL	11-33-067-04W6	ELMWORTH										40			
Low	1-1	15369-2	10-22-067-05W4	BE	07-22-067-05W4	FISHER										20			
Low	1-1	17189-8	11-12-067-05W4	BE	06-12-067-05W4	LEMING										20			
Low	1-1	8766-86	16-02-067-05W4	PL	16-02-067-05W4	LEMING										20			
Low	1-1	19826-1	09-20-067-05W6	PL	15-20-067-05W6	ELMWORTH										60			
Low	1-1	8245-5	11-24-067-05W6	PL	09-24-067-05W6	ELMWORTH										40			
Low	1-1	493-1	06-18-067-10W5	PL	11-18-067-10W5	SWAN HILLS										20			
Low	1-1	56449-37	02-09-067-10W5	BE	02-09-067-10W5	SWAN HILLS										20			
Low	1-1	16370-49	04-09-067-10W5	BE	04-09-067-10W5	SWAN HILLS										20			
Low	1-1	20886-50	10-09-067-10W5	BE	10-09-067-10W5	SWAN HILLS										20			
Low	1-1	34998-52	10-16-067-10W5	BE	10-16-067-10W5	SWAN HILLS										20			
Low	1-1	35562-61	04-05-067-10W5	BE	04-05-067-10W5	SWAN HILLS										20			
Low	1-1	20321-62	12-05-067-10W5	BE	12-05-067-10W5	SWAN HILLS										20			
Low	1-1	7085-25	02-17-066-05W4	PL	01-17-066-05W4	LEMING										20			
Low	1-1	2514-27	11-22-066-05W4	PL	14-22-066-05W4	LEMING										20			
Low	1-1	22855-33	08-09-066-05W4	PL	08-09-066-05W4	LEMING										20			
Low	1-1	15998-34	12-10-066-05W4	BE	12-10-066-05W4	LEMING										20			
Low	1-1	5485-35	14-10-066-05W4	PL	14-10-066-05W4	LEMING										20			
Low	1-1	5256-37	10-08-066-05W4	PL	09-08-066-05W4	LEMING										20			
Low	1-1	15769-45	05-10-066-05W4	PL	05-10-066-05W4	LEMING										20			
Low	1-1	13651-1	12-08-066-05W4	BE	09-07-066-05W4	LEMING										20			
Low	1-1	8708-2	09-07-066-05W4	BE	11-07-066-05W4	LEMING										40			
Low	1-1	8237-4	12-07-066-05W4	BE	16-12-066-06W4	LEMING										40			
Low	1-1	49415-1	04-32-066-10W5	BE	04-32-066-10W5	SWAN HILLS										20			
Low	1-1	55884-57	02-29-066-10W5	BE	02-29-066-10W5	SWAN HILLS										20			
Low	1-1	48546-58	02-32-066-10W5	BE	02-32-066-10W5	SWAN HILLS										20			
Low	1-1	37820-68	04-31-066-10W5	BE	04-31-066-15W5	SWAN HILLS										20			
Low	1-1	30482-69	12-30-066-10W5	BE	12-30-066-10W5	SWAN HILLS										20			
Low	1-1	40078-82	10-31-066-10W5	BE	10-31-066-10W5	SWAN HILLS										20			
Low	1-1	20535-1	11-20-066-10W5	PL	10-20-066-10W5	SWAN HILLS										40			
Low	1-1	53138-1	08-32-066-10W6	BE	16-29-066-10W6	WAPITI										80			
Low	1-1	15177-11	09-04-066-23W5	PL	09-04-066-23W5	ANTE CREEK NORTH	90					5				40			
Low	1-1	4340-1	03-31-065-22W5	BE	11-30-065-22W5	MCKINLEY										60			
Low	1-1	1886-9	03-07-065-23W5	BE	04-07-065-23W5	ANTE CREEK NORTH										20			
Low	1-1	7595-1	06-31-064-21W5	BE	11-31-064-21W5	TONY CREEK NORTH										40			
Low	1-1	46790-1	10-30-063-08W4	PL	10-30-063-08W4	SUGDEN										20			

RISK CLASS	5X5 MATRIX	LICENSE - LINE	LOCATION FROM	FACILITY FROM	LOCATION TO	FIELD	STEP 1	STEP 2					STEP 3				STEP 4		
							CHOOSE IF RELIABLE PIGGING HAS OCCURRED	IF PIPELINE HAS NOT BEEN EFFECTIVELY PIGGING OVER-LIFETIME CHOOSE THE IDENTIFIED OPTION TO BEGIN PIGGING OR APPLY BATCH INHIBITOR WITH PIGS					CHOOSE ONE OPTION IF BOTH STEP 1 + STEP 2 ARE NOT APPLICABLE				NON-OPERATING CORROSION MITIGATION GUIDELINE DEAD-LEG / DISCONTINUATION / SUSPENSION		
							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBON DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d	
Low	1-1	23664-29	07-14-063-09W4	PL	07-14-063-09W4	SUGDEN										20			
Low	1-1	8580-1	11-03-063-13W6	PL	06-03-063-13W6	NARRAWAY										20			
Low	1-1	12259-5	02-08-061-04W4	PL	02-08-061-04W4	CHARLOTTE LAKE										20			
Low	1-1	15683-1	04-08-061-19W5	PL	04-08-061-19W5	KAYBOB SOUTH										20			
Low	1-1	12476-1	01-22-060-04W4	PL	09-15-060-04W4	CHARLOTTE LAKE										40			
Low	1-1	27329-2	09-15-060-04W4	MS	09-15-060-04W4	CHARLOTTE LAKE										20			
Low	1-1	33600-1	06-19-060-21W5	PL	06-19-060-21W5	KAYBOB SOUTH										20			
Low	1-1	14695-4	06-32-059-04W4	PL	03-32-059-04W4	MURIEL LAKE										20			
Low	1-1	14289-3	11-30-059-08W5	PL	11-30-059-08W5	GREENCOURT										20			
Low	1-1	10846-7	09-26-059-09W5	GP	09-26-059-09W5	GREENCOURT										20			
Low	1-1	13174-1	16-35-059-15W4	WE	16-35-059-15W4	BELLIS										20			
Low	1-1	49128-3	11-13-059-20W5	B	16-14-059-20W5	KAYBOB SOUTH										40			
Low	1-1	21326-3	14-23-058-26W5	BE	11-23-058-26W5	LELAND										40			
Low	1-1	25472-15	02-13-057-04W4	PL	02-13-057-04W4	LINDBERGH										20			
Low	1-1	19424-28	07-23-057-06W4	PL	10-23-057-06W4	SILER										20			
Low	1-1	20657-47	09-16-057-06W4	PL	10-16-057-06W4	SILER										20			
Low	1-1	50039-1	03-24-057-07W4	BE	03-24-057-07W4	SILER										20			
Low	1-1	10147-1	14-36-057-23W5	PL	14-36-057-23W5	SUNDANCE										20			
Low	1-1	51454-6	08-30-057-24W5	CS	08-30-057-24W5	WILD RIVER										20			
Low	1-1	17056-1	11-03-057-26W5	BE	14-03-057-26W5	WILD RIVER										20			
Low	1-1	8082-8	08-01-056-01W4	PL	08-01-056-01W4	LINDBERGH										20			
Low	1-1	8545-14	05-01-056-04W4	CS	05-01-056-04W4	LINDBERGH										20			
Low	1-1	34474-6	10-02-056-04W4	PL	10-02-056-04W4	LINDBERGH										20			
Low	1-1	14704-2	15-19-056-04W6	PL	15-19-056-04W6	CABIN CREEK										20			
Low	1-1	11450-5	09-32-056-06W4	WE	09-32-056-06W4	LINDBERGH										20			
Low	1-1	13927-9	05-18-055-05W4	PL	05-18-055-05W4	LINDBERGH										20			
Low	1-1	22502-43	16-18-055-05W4	BE	16-18-055-05W4	LINDBERGH										40			
Low	1-1	36386-76	04-18-055-05W4	BE	03-18-055-05W4	LINDBERGH										40			
Low	1-1	16278-78	04-18-055-05W4	BE	04-18-055-05W4	LINDBERGH										40			
Low	1-1	14841-80	04-18-055-05W4	BE	04-18-055-05W4	LINDBERGH										40			
Low	1-1	13405-82	05-18-055-05W4	BE	05-18-055-05W4	LINDBERGH										40			
Low	1-1	32077-84	05-18-055-05W4	BE	05-18-055-05W4	LINDBERGH										40			
Low	1-1	28726-88	04-18-055-05W4	BE	05-18-055-05W4	LINDBERGH										40			
Low	1-1	9096-90	05-18-055-05W4	BE	05-18-055-05W4	LINDBERGH										40			
Low	1-1	16756-92	05-18-055-05W4	BE	05-18-055-05W4	LINDBERGH										40			
Low	1-1	8139-96	12-18-055-05W4	BE	05-18-055-05W4	LINDBERGH										80			
Low	1-1	13884-98	05-18-055-05W4	BE	05-18-055-05W4	LINDBERGH										40			
Low	1-1	7660-103	06-18-055-05W4	BE	05-18-055-05W4	LINDBERGH										40			
Low	1-1	21544-107	05-18-055-05W4	MS	06-18-055-05W4	LINDBERGH	90									40			
Low	1-1	11969-108	05-18-055-05W4	MS	06-18-055-05W4	LINDBERGH	90									40			
Low	1-1	21890-66	16-18-055-05W4	PL	15-18-055-05W4	LINDBERGH										20			
Low	1-1	23382-67	16-18-055-05W4	S	16-18-055-05W4	LINDBERGH										20			
Low	1-1	47760-70	10-18-055-05W4	PL	14-18-055-05W4	LINDBERGH										20			
Low	1-1	13432-71	10-18-055-05W4	PL	16-18-055-05W4	LINDBERGH										40			
Low	1-1	35322-72	10-18-055-05W4	PL	05-18-055-05W4	LINDBERGH										40			
Low	1-1	21890-74	14-18-055-05W4	S	11-18-055-05W4	LINDBERGH										20			
Low	1-1	24875-75	10-18-055-05W4	PL	10-18-055-05W4	LINDBERGH										20			
Low	1-1	47760-83	16-18-055-05W4	PL	16-18-055-05W4	LINDBERGH										20			
Low	1-1	30347-84	16-18-055-05W4	PL	09-18-055-05W4	LINDBERGH										20			
Low	1-1	5472-86	05-18-055-05W4	PL	05-18-055-05W4	LINDBERGH										20			
Low	1-1	19900-87	14-18-055-05W4	S	15-18-055-05W4	PEMBINA										20			
Low	1-1	19556-9	06-13-055-06W4	PL	06-13-055-06W4	LINDBERGH										20			
Low	1-1	18173-10	11-13-055-06W4	PL	11-13-055-06W4	LINDBERGH										20			
Low	1-1	13827-16	03-13-055-06W4	PL	03-13-055-06W4	LINDBERGH										20			
Low	1-1	11062-17	10-01-055-06W4	BE	10-01-055-06W4	LINDBERGH										20			
Low	1-1	13308-16	14-28-055-06W4	B	11-28-055-06W4	LINDBERGH										20			
Low	1-1	15992-1	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-1	3505-3	14-28-055-06W4	BE	14-28-055-06W4	LINDBERGH										20			
Low	1-1	12048-6	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-1	7229-12	14-28-055-06W4	BE	11-28-055-06W4	LINDBERGH										20			
Low	1-1	39800-78	14-28-055-06W4	S	11-28-055-06W4	LINDBERGH										20			
Low	1-1	3358-20	16-06-054-05W4	PL	16-06-054-05W4	LINDBERGH										20			
Low	1-1	4148-19	11-15-054-06W4	PL	14-15-054-06W4	LINDBERGH										20			
Low	1-1	13037-23	12-13-054-06W4	PL	13-13-054-06W4	LINDBERGH										20			
Low	1-1	11852-27	13-13-054-06W4	PL	14-13-054-06W4	LINDBERGH										20			
Low	1-1	5475-39	07-15-054-06W4	PL	02-15-054-06W4	LINDBERGH										20			
Low	1-1	31287-40	14-17-054-06W4	PL	14-17-054-06W4	LINDBERGH										20			

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							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	1-1	24492-5	16-36-054-06W4	BE	16-36-054-06W4	LINDBERGH										20		
Low	1-1	16816-4	10-13-054-07W4	PL	10-13-054-07W4	DERWENT										20		
Low	1-1	35051-16	11-24-054-09W4	WE	11-24-054-09W4	BEAUVALLON	90					4				20		
Low	1-1	15345-1	03-02-051-02W4	WE	03-02-051-02W4	LLOYDMINSTER										20		
Low	1-1	6567-13	05-13-050-22W4	WE	05-13-050-22W4	JOARCAM	90									40		
Low	1-1	21939-1	14-27-048-16W5	BE	11-27-048-16W5	PECO										20		
Low	1-1	52153-1	08-21-047-17W5	BE	09-21-047-17W5	HANLAN										40		
Low	1-1	38205-1	12-19-045-18W5	PL	05-19-045-18W5	VOYAGER										20		
Low	1-1	45862-1	04-03-045-18W5	PL	01-04-045-18W5	VOYAGER										20		
Low	1-1	8674-2	16-33-043-22W4	PL	16-33-043-22W4	MALMO										20		
Low	1-1	13011-3	03-33-043-22W4	PL	10-28-043-22W4	MALMO										40		
Low	1-1	7409-5	04-33-043-22W4	PL	04-33-043-22W4	MALMO										20		
Low	1-1	5443-1	04-21-039-07W5	BE	08-20-039-07W5	FERRIER										20		
Low	1-1	12328-2	04-21-039-07W5	IP	08-20-039-07W5	FERRIER										20		
Low	1-1	12050-1	01-20-039-07W5	GP	04-21-039-07W5	FERRIER										20		
Low	1-1	26529-77	10-30-039-07W5	BE	10-30-039-07W5	FERRIER										40		
Low	1-1	46849-101	01-01-039-07W5	PL	10-36-038-07W5	FERRIER	90					4				80		
Low	1-1	38947-102	07-01-039-07W5	PL	01-01-039-07W5	FERRIER	90					4				80		
Low	1-1	16369-121	16-01-039-07W5	WE	16-01-039-07W5	FERRIER	90					4				40		
Low	1-1	2853-1	08-28-039-08W5	BE	06-28-039-08W5	FERRIER										40		
Low	1-1	22824-2	05-32-039-08W5	BE	13-29-039-08W5	FERRIER										60		
Low	1-1	10524-8	14-23-038-07W5	PL	14-23-038-07W5	FERRIER										20		
Low	1-1	8440-40	15-22-038-07W5	S	15-22-038-07W5	Everdell - 3rd Party	90					4				40		
Low	1-1	13129-41	15-22-038-07W5	PL	15-22-038-07W5	Everdell - 3rd Party	90					4				40		
Low	1-1	37093-23	02-26-038-07W5	BE	10-26-038-07W5	FERRIER										80		
Low	1-1	33159-25	02-26-038-07W5	PL	10-26-038-07W5	FERRIER	90					4				80		
Low	1-1	29225-28	02-26-038-07W5	PL	02-26-038-07W5	FERRIER	90									40		
Low	1-1	28101-29	02-26-038-07W5	PL	02-26-038-07W5	FERRIER	90					10				40		
Low	1-1	12483-2	11-35-038-08W5	PL	11-35-038-08W5	FERRIER										20		
Low	1-1	14230-8	11-14-036-20W4	GP	11-14-036-20W4	FENN-BIG VALLEY										20		
Low	1-1	54370-1	08-20-034-13W4	PL	08-20-034-13W4	SULLIVAN LAKE										20		
Low	1-1	17509-1	02-24-033-26W4	PL	02-24-033-26W4	WIMBORNE										20		
Low	1-1	3113-3	06-31-032-24W4	B	03-31-032-24W4	TWINING										20		
Low	1-1	5629-13	13-02-031-16W4	WE	13-02-031-16W4	WATTS	90									40		
Low	1-1	14409-16	16-09-030-10W4	WE	13-10-030-10W4	STANMORE	90									40		
Low	1-1	30260-23	16-09-030-10W4	PL	16-09-030-10W4	STANMORE	90									20		
Low	1-1	27378-25	16-09-030-10W4	PL	16-09-030-10W4	STANMORE	90									20		
Low	1-1	23060-67	09-20-029-08W4	PL	16-20-029-08W4	CHINOOK	90					4				20		
Low	1-1	3999-64	10-20-025-12W4	BE	14-20-025-12W4	CESSFORD										80		
Low	1-1	20944-6	12-21-025-12W4	BE	10-21-025-12W4	CESSFORD										40		
Low	1-1	14667-3	06-19-025-18W4	WE	11-29-025-18W4	SEIU LAKE	90					4				20		
Low	1-1	2-382	04-08-024-12W4	WE	06-08-024-12W4	CESSFORD	90					4				20		
Low	1-1	6549-100	16-21-023-11W4	PL	01-28-023-11W4	CESSFORD	90					4				20		
Low	1-1	12211-87	12-33-023-12W4	WE	06-33-023-12W4	CESSFORD	90					4				20		
Low	1-1	6711-51	04-32-023-13W4	WE	05-32-023-13W4	MATZWIN	90					4				20		
Low	1-1	13751-16	03-10-023-13W4	WE	03-10-023-13W4	CESSFORD	90					4				20		
Low	1-1	25414-99	05-12-023-15W4	WE	12-12-023-15W4	VERGER	90					4				20		
Low	1-1	44475-108	06-10-023-15W4	WE	06-10-023-15W4	VERGER	90					4				20		
Low	1-1	6501-1	10-09-022-04W5	PL	10-09-022-04W5	NORTH VALLEY										20		
Low	1-1	13567-1	03-32-022-09W4	WE	10-29-022-09W4	JENNER										40		
Low	1-1	15595-94	10-35-022-15W4	WE	10-35-022-15W4	VERGER	90					4				20		
Low	1-1	4076-4	13-12-020-12W4	PL	09-11-020-12W4	PRINCESS										20		
Low	1-1	10482-5	09-11-020-12W4	PL	09-11-020-12W4	PRINCESS										20		
Low	1-1	16597-7	09-11-020-12W4	PL	12-12-020-12W4	PRINCESS										20		
Low	1-1	28878-205	16-31-019-14W4	WE	16-31-019-14W4	BANTRY	90					4				20		
Low	1-1	23102-206	15-31-019-14W4	WE	15-31-019-14W4	BANTRY	90					4				20		
Low	1-1	24835-208	11-29-019-14W4	WE	06-29-019-14W4	BANTRY	90									40		
Low	1-1	7508-211	10-30-019-14W4	WE	10-30-019-14W4	BANTRY	90					4				20		
Low	1-1	45050-213	13-31-019-14W4	WE	12-31-019-14W4	COUNTRESS	90					4				20		
Low	1-1	57179-215	01-32-019-14W4	WE	02-32-019-14W4	BANTRY	90					4				20		
Low	1-1	37542-243	13-34-019-14W4	WE	11-34-019-14W4	BANTRY	90					4				20		
Low	1-1	25990-246	03-35-019-14W4	WE	04-35-019-14W4	BANTRY	90					4				20		
Low	1-1	53009-1	10-09-018-10W4	PL	07-09-018-10W4	ALDERSON										20		
Low	1-1	27146-128	06-05-016-02W4	WE	06-05-016-02W4	MEDICINE HAT	90					4				20		
Low	1-1	42740-146	08-29-015-02W4	WE	07-29-015-02W4	MEDICINE HAT	90					4				20		
Low	1-1	37542-189	15-19-015-02W4	WE	15-19-015-02W4	MEDICINE HAT	90					4				20		
Low	1-1	57180-194	03-32-015-02W4	WE	03-32-015-02W4	MEDICINE HAT	90					4				20		

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							OPTION A1 FREQUENCY PIGGING BY OPERATIONS d	OPTION B1 FREQUENCY PIGGING d	OPTION B2 FREQUENCY BATCH INHIBITION d	OPTION B2 VOLUME BATCH INHIBITOR l	OPTION B2 VOLUME HYDROCARBO N DILUENT l	OPTION C1 INJECTION RATE CONTINUOUS INHIBITOR l/d	OPTION C2 INJECTION RATE VAPOUR PHASE AMINE l/d	OPTION C3 FREQUENCY GLYCOL SLUG INTERVAL d	OPTION C3 VOLUME GLYCOL SLUG l	FINAL Pipeline Lay-up Mothballing Inhibitor l	FINAL Dead-Leg Mitigation Glycol Slug Volume l/slug	FINAL Dead-Leg Mitigation Glycol Slug Frequency d
Low	1-1	39275-196	05-17-015-02W4	WE	06-17-015-02W4	MEDICINE HAT	90					4				20		
Low	1-1	22525-200	09-19-015-02W4	WE	07-19-015-02W4	MEDICINE HAT	90					4				20		
Low	1-1	44473-227	07-31-015-02W4	PL	07-31-015-02W4	MEDICINE HAT	90					4				20		
Low	1-1	11551-89	16-22-015-03W4	WE	15-22-015-03W4	MEDICINE HAT	90					4				20		
Low	1-1	39853-116	14-25-015-03W4	WE	15-25-015-03W4	MEDICINE HAT	90					4				20		
Low	1-1	32922-176	08-36-015-03W4	WE	01-36-015-03W4	MEDICINE HAT	90					4				20		
Low	1-1	46206-185	09-24-015-03W4	WE	09-24-015-03W4	MEDICINE HAT	90					4				20		
Low	1-1	22486-1	04-06-015-07W4	PL	16-36-014-08W4	MEDICINE HAT										20		
Low	1-1	5151-84	15-01-014-04W4	WE	10-01-014-04W4	MEDICINE HAT	90					4				20		
Low	1-1	4626-163	12-01-014-04W4	WE	13-01-014-04W4	MEDICINE HAT	90					4				20		
Low	1-1	7534-165	11-03-014-04W4	WE	06-03-014-04W4	MEDICINE HAT	90									20		
Low	1-1	684-10	11-13-013-01W4	WE	11-13-013-01W4	MEDICINE HAT	90					4				20		
Low	1-1	9649-142	08-20-013-03W4	WE	08-20-013-03W4	MEDICINE HAT	90									20		
Low	1-1	4891-188	14-05-013-03W4	WE	12-05-013-03W4	MEDICINE HAT	90					4				20		
Low	1-1	8327-206	12-18-013-03W4	WE	05-18-013-03W4	MEDICINE HAT	90									40		
Low	1-1	6741-221	07-19-013-03W4	WE	10-19-013-03W4	MEDICINE HAT	90									40		
Low	1-1	5533-77	16-22-013-04W4	WE	15-22-013-04W4	MEDICINE HAT	90					4				20		
Low	1-1	11103-166	09-36-013-04W4	WE	08-36-013-04W4	MEDICINE HAT	90					4				20		
Low	1-1	12029-201	11-25-013-04W4	WE	12-25-013-04W4	MEDICINE HAT	90					4				20		
Low	1-1	8963-3	04-02-013-14W4	PL	06-02-013-14W4	GRAND FORKS										40		
Low	1-1	4342-1	04-29-008-16W4	BE	11-20-008-16W4	TABER										40		