

INSERVICE TESTING PROGRAM

CALLAWAY NUCLEAR PLANT

REVISION 2
APRIL 17, 1984

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SY	VLV-NUMBER	K-P+ID-N	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TM	MAX	*R/R	*NOTES-N
I	AL	HV 0005	M-02AL01	H-6	2	B	4"	GL	MO	0	C	NA			
	AL	HV 0006	M-02AL01	G-6	2	B	4"	GL	AO	0	0	NA			3
I	AL	HV 0007	M-02AL01	F-6	2	B	4"	GL	MO	0	C	NA			
	AL	HV 0008	M-02AL01	E-6	2	B	4"	GL	AO	0	0	NA			3
I	AL	HV 0009	M-02AL01	D-6	2	B	4"	GL	MO	0	C	NA			
	AL	HV 0010	M-02AL01	D-6	2	B	4"	GL	AO	0	0	NA			3
I	AL	HV 0011	M-02AL01	C-6	2	B	4"	GL	MO	0	C	NA			
	AL	HV 0012	M-02AL01	B-6	2	B	4"	GL	AO	0	0	NA			3
	AL	HV 0030	M-02AL01	F-3	3	B	6"	BT	MO	C	0	BT	OP	15	6
	AL	HV 0030	M-02AL01	F-3	3	B	6"	BT	MO	C	0	PIT	RR		
	AL	HV 0031	M-02AL01	E-3	3	B	6"	BT	MO	C	0	BT	OP	15	6
	AL	HV 0031	M-02AL01	E-3	3	B	6"	BT	MO	C	0	PIT	RR		
	AL	HV 0032	M-02AL01	C-3	3	B	8"	BT	MO	C	0	BT	OP	15	6
	AL	HV 0032	M-02AL01	C-3	3	B	8"	BT	MO	C	0	PIT	RR		
	AL	HV 0033	M-02AL01	B-3	3	B	8"	BT	MO	C	0	BT	OP	15	6
	AL	HV 0033	M-02AL01	B-3	3	B	8"	BT	MO	C	0	PIT	RR		
I	AL	HV 0034	M-02AL01	H-3	3	B	8"	GA	MO	0	C	BT	OP	30	6
	AL	HV 0034	M-02AL01	H-3	3	B	8"	GA	MO	0	C	PIT	RR		
I	AL	HV 0035	M-02AL01	D-3	3	B	8"	GA	MO	0	C	BT	OP	30	6
	AL	HV 0035	M-02AL01	D-3	3	B	8"	GA	MO	0	C	PIT	RR		
I	AL	HV 0036	M-02AL01	B-3	3	B	10"	GA	MO	0	C	BT	OP	30	6
	AL	HV 0036	M-02AL01	B-3	3	B	10"	GA	MO	0	C	PIT	RR		
	AL	V 0001	M-02AL01	B-4	3	C	10"	CK	BA	C	0	CVP	OP		
	AL	V 0001	M-02AL01	B-4	3	C	10"	CK	BA	C	0	CVT	CB	AL-1	
	AL	V 0002	M-02AL01	D-4	3	C	8"	CK	BA	C	0	CVP	OP		
	AL	V 0002	M-02AL01	D-4	3	C	8"	CK	BA	C	0	CVT	CB	AL-1	
	AL	V 0003	M-02AL01	H-4	3	C	8"	CK	BA	C	0	CVP	OP		
	AL	V 0003	M-02AL01	H-4	3	C	8"	CK	BA	C	0	CVT	CB	AL-1	
	AL	V 0006	M-02AL01	F-4	3	C	6"	CK	BA	C	0	CVT	RR	AL-2	4, 5
	AL	V 0009	M-02AL01	E-4	3	C	6"	CK	BA	C	0	CVT	RR	AL-2	4, 5
	AL	V 0012	M-02AL01	C-4	3	C	8"	CK	BA	C	0	CVT	RR	AL-1	4
	AL	V 0013	M-02AL01	B-4	3	C	8"	CK	BA	C	0	CVT	RR	AL-2	4
	AL	V 0019	M-02AL01	G-5	3	C	2"	CK	BA	C	0	CVT	OP		
	AL	V 0030	M-02AL01	H-5	3	C	6"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0033	M-02AL01	F-7	2	C	4"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0036	M-02AL01	H-7	2	C	4"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0041	M-02AL01	F-3	3	C	2"	CK	BA	0	0	CVT	OP		
	AL	V 0042	M-02AL01	B-3	3	C	6"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0045	M-02AL01	C-7	2	C	4"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0048	M-02AL01	D-7	2	C	4"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0053	M-02AL01	B-3	3	C	2"	CK	BA	C	0	CVT	OP		
	AL	V 0054	M-02AL01	B-3	3	C	6"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0057	M-02AL01	E-7	2	C	4"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0062	M-02AL01	G-7	2	C	4"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0067	M-02AL01	D-7	2	C	4"	CK	BA	C	0	CVT	CB	AL-1	5
	AL	V 0072	M-02AL01	B-7	2	C	4"	CK	BA	C	0	CVT	CB	AL-1	5

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	SY	VLV-NUMBER	*P-ID*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TM	MAX	*R/R	*NOTES*
I	BB	HV 8001A	M-02BB04	F-4	2	B	1"	GL	80	C	O/C	BT	CS	10	BB-5	5
	BB	HV 8001A	M-02BB04	F-4	2	B	1"	GL	80	C	O/C	FST	CS			5
	BB	HV 8001A	M-02BB04	F-4	2	B	1"	GL	80	C	O/C	PIT	NA		BB10	
I	BB	HV 8001B	M-02BB04	F-4	2	B	1"	GL	80	C	O/C	BT	CS	10	BB-5	5
	BB	HV 8001B	M-02BB04	F-4	2	B	1"	GL	80	C	O/C	FST	CS			5
	BB	HV 8001B	M-02BB04	F-4	2	B	1"	GL	80	C	O/C	PIT	NA		BB10	
I	BB	HV 8002A	M-02BB04	F-3	2	B	1"	GL	80	C	O/C	BT	CS	10	BB-5	5
	BB	HV 8002A	M-02BB04	F-3	2	B	1"	GL	80	C	O/C	FST	CS			5
	BB	HV 8002A	M-02BB04	F-3	2	B	1"	GL	80	C	O/C	PIT	NA		BB10	
I	BB	HV 8002B	M-02BB04	F-3	2	B	1"	GL	80	C	O/C	BT	CS	10	BB-5	5
	BB	HV 8002B	M-02BB04	F-3	2	B	1"	GL	80	C	O/C	FST	CS			5
	BB	HV 8002B	M-02BB04	F-3	2	B	1"	GL	80	C	O/C	PIT	NA		BB10	

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SY	VLV-NUMBER	*P+ID-*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TH	MAX	*R/R	*NOTES-*
BG	8118	M-028003	E-4	2	C	1.5"	RV	SA	C	0	RVT				2
BG	8120	M-028003	G-8	2	C	3"	RV	SA	C	0	RVT				2
BG	8123	M-028003	H-3	2	C	2"	RV	SA	C	0	RVT				2
BG	8124	M-028003	B-7	2	C	.75"	RV	SA	C	0	RVT				2
BG	8440	M-028003	E-6	2	C	4"	CK	SA	0	0	NA				3
BG	8481A	M-028003	C-4	2	C	4"	CK	SA	C	0	CVT	RR		BG-4	3
BG	8481B	M-028003	B-4	2	C	4"	CK	SA	C	0	CVT	RR		BG-4	3
BG	8497	M-028003	E-4	2	C	3"	CK	SA	0	0	NA				3
BG	8546A	M-028003	C-7	2	C	8"	CK	SA	C	0	CVT	RR		BG-3	3
BG	8546B	M-028003	B-7	2	C	8"	CK	SA	C	0	CVT	RR		BG-3	3
BG	FCV0111B	M-028003	G-6	2	B	2"	DI	AO	C	0	NA				3
BG	FCV0121	M-028003	D-4	2	B	3"	GL	AO	0	0	NA				3
BG	HCV0182	M-028003	E-3	2	B	3"	GL	AO	0	0	NA				3
BG	HV 8105	M-028003	E-2	2	A	3"	GA	HO	0	0	AT	RR			
BG	HV 8105	M-028003	E-2	2	A	3"	GA	HO	0	0	BT	CR	10	BG-6	6+3
BG	HV 8105	M-028003	E-2	2	A	3"	GA	HO	0	0	PIT	RR			
BG	HV 8106	M-028003	E-2	2	B	3"	GA	HO	0	0	BT	CR	10	BG-6	6+3
BG	HV 8106	M-028003	E-2	2	B	3"	GA	HO	0	0	PIT	RR			
BG	HV 8109	M-028003	E-3	2	B	2"	GL	HO	0	0	NA				12
BG	HV 8110	M-028003	E-2	2	B	2"	GL	HO	0	0/C	BT	OP	10		6
BG	HV 8110	M-028003	E-2	2	B	2"	GL	HO	0	0/C	PIT	RR			
BG	HV 8111	M-028003	E-4	2	B	2"	GL	HO	0	0/C	BT	OP	10		6
BG	HV 8111	M-028003	E-4	2	B	2"	GL	HO	0	0/C	PIT	RR			
BG	HV 8337A	M-028003	C-1	2	B	1"	GL	HO	0	0/C	BT	OP	10	BG-8	
BG	HV 8337B	M-028003	E-4	2	B	1"	GL	HO	0	0/C	BT	OP	10	BG-8	
BG	LEV0112B	M-028003	E-4	2	B	4"	GA	HO	0	0	BT	CR	10	BG-7	3+6
BG	LEV0112B	M-028003	E-4	2	B	4"	GA	HO	0	0	PIT	RR			
BG	LEV0112C	M-028003	E-4	2	B	4"	GA	HO	0	0	BT	CR	10	BG-7	3+6
BG	LEV0112C	M-028003	E-4	2	B	4"	GA	HO	0	0	PIT	RR			
BG	V 0091	M-028003	C-4	2	C	3"	CK	SA	C	0	CVT	OP			
BG	V 0093	M-028003	B-4	2	C	3"	CK	SA	C	0	CVT	OP			
BG	V 0097	M-028003	B-4	2	B	3"	RV	SA	C	0	NA	RR			2
BG	V 009A	M-028003	C-6	2	C	.75"	RV	SA	C	0	RVT				2
BG	V 009B	M-028003	E-6	2	C	.75"	RV	SA	C	0	RVT				2
BG	V 009C	M-028003	D-3	2	C	.75"	RV	SA	C	0	RVT				2
BG	V 0099	M-028003	B-4	2	C	1"	CK	SA	C	0	NA				3
BG	V 0090	M-028003	C-4	2	C	1"	CK	SA	C	0	NA				3

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SY	VLV-NUMBER	*P+ID-*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TH	MAX	*R/R	*NOTES-*	
BN	HCV8800A	M-02BN01	E-5	2	B	3"	GL	AO	C	C	NA				3	
BN	HCV8800B	M-02BN01	E-5	2	B	3"	GL	AO	C	C	NA				3	
I	BN	HV 0003	M-02BN01	C-3	2	B	12"	GA	HO	O	C	BT	OP	60	6	
BN	HV 0003	M-02BN01	C-3	2	B	12"	GA	HO	O	C	PIT	RR				
I	BN	HV 0004	M-02BN01	A-3	2	B	12"	GA	HO	O	C	BT	OP	60	6	
BN	HV 0004	M-02BN01	A-3	2	B	12"	GA	HO	O	C	PIT	RR				
BN	HV 8806A	M-02BN01	B-5	2	B	8"	GA	HO	O	C	BT	OP	10		6	
BN	HV 8806A	M-02BN01	B-5	2	B	8"	GA	HO	O	C	PIT	RR				
BN	HV 8806B	M-02BN01	E-3	2	B	8"	GA	HO	O	C	BT	OP	10		6	
BN	HV 8806B	M-02BN01	E-3	2	B	8"	GA	HO	O	C	PIT	RR				
BN	HV 8812A	M-02BN01	E-3	2	B	14"	GA	HO	O	C	BT	OP	17		6	
BN	HV 8812A	M-02BN01	B-3	2	B	14"	GA	HO	O	C	PIT	RR				
BN	HV 8812B	M-02BN01	D-3	2	B	14"	GA	HO	O	C	BT	OP	17		6	
BN	HV 8812B	M-02BN01	D-3	2	B	14"	GA	HO	O	C	PIT	RR				
BN	HV 8813	M-02BN01	B-7	2	B	2"	GL	HO	O	C	BT	OS	10	BN-2	6.5	
BN	HV 8813	M-02BN01	B-7	2	B	2"	GL	HO	O	C	PIT	RR				
I	BN	LCV01120	M-02BN01	A-5	2	B	8"	GA	HO	C	O/C	BT	OS	10	BN-1	6.5
I	BN	LCV01120	M-02BN01	A-5	2	B	8"	GA	HO	C	O/C	PIT	RR			
I	BN	LCV01125	M-02BN01	E-3	2	B	8"	GA	HO	C	O/C	BT	OS	10	BN-1	6.5
I	BN	LCV01125	M-02BN01	E-3	2	B	8"	GA	HO	C	O/C	PIT	RR			

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	SY	ULV-NUMBER	M-P-ID-N	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TM	MAX	*R/R	*NOTES-N
I	EG	HV 0011	M-02EG01	F-8	3	B	1.5'	GL	MO	C	O	BT	OP	23		6
	EG	HV 0011	M-02EG01	F-8	3	B	1.5'	GL	MO	C	O	PIT	RR			
I	EG	HV 0012	M-02EG01	C-8	3	B	1.5'	GL	MO	C	O	BT	OP	23		6
	EG	HV 0012	M-02EG01	C-8	3	B	1.5'	GL	MO	C	O	PIT	RR			
I	EG	HV 0013	M-02EG01	F-7	3	B	1.5'	GL	MO	C	O	BT	OP	23		6
	EG	HV 0013	M-02EG01	F-7	3	B	1.5'	GL	MO	C	O	PIT	RR			
I	EG	HV 0014	M-02EG01	C-7	3	B	1.5'	GL	MO	C	O	BT	OP	23		6
	EG	HV 0014	M-02EG01	C-7	3	B	1.5'	GL	MO	C	O	PIT	RR			
	EG	HV 0015	M-02EG01	D-6	3	B	18'	BT	MO	O	O/C	BT	OP	60		6
	EG	HV 0015	M-02EG01	D-6	3	B	18'	BT	MO	O	O/C	PIT	RR			
	EG	HV 0016	M-02EG01	D-6	3	B	18'	BT	MO	O	O/C	BT	OP	60		6
	EG	HV 0016	M-02EG01	D-6	3	B	18'	BT	MO	O	O/C	PIT	RR			
	EG	LV 0001	M-02EG01	G-7	3	B	3'	GL	AO	C	C	NA				3
	EG	LV 0002	M-02EG01	C-7	3	B	3'	GL	AO	C	C	NA				3
	EG	RV 0009	M-02EG01	G-6	3	B	2'	GL	AO	O	C	BT	OP	5		
	EG	RV 0009	M-02EG01	G-6	3	B	2'	GL	AO	O	C	FST	OP			
	EG	RV 0009	M-02EG01	G-6	3	B	2'	GL	AO	O	C	PIT	RR			
	EG	RV 0010	M-02EG01	C-6	3	B	2'	GL	AO	O	C	BT	OP	5		
	EG	RV 0010	M-02EG01	C-6	3	B	2'	GL	AO	O	C	FST	OP			
	EG	RV 0010	M-02EG01	C-6	3	B	2'	GL	AO	O	C	PIT	RR			
	EG	V 0003	M-02EG01	G-3	3	C	20'	CK	SA	C	O	CVT	OP			
	EG	V 0007	M-02EG01	E-3	3	C	20'	CK	SA	C	O	CVT	OP			
	EG	V 0012	M-02EG01	D-3	3	C	20'	CK	SA	C	O	CVT	OP			
	EG	V 0016	M-02EG01	C-3	3	C	20'	CK	SA	C	O	CVT	OP			
	EG	V 0130	M-02EG01	D-4	3	C	12'	CK	SA	C	O	CVT	OP			
	EG	V 0131	M-02EG01	D-4	3	C	12'	CK	SA	C	O	CVT	OP			
	EG	V 0152	M-02EG01	G-4	3	C	2'	RV	SA	C	O	RUT				2
	EG	V 0170	M-02EG01	C-4	3	C	2'	RV	SA	C	O	RUT				2
	EG	V 0305	M-02EG01	G-4	3	C	1'	RV	SA	C	O	RUT				2
	EG	V 0306	M-02EG01	C-4	3	C	1'	RV	SA	C	O	RUT				2

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	SY	VLV-NUMBER	*P+ID-*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TH	MAX	*R/R	*NOTES-*
	EG	HV 0053	M-02EG02	G-5	3	B	18"	BT	MO	0	0	BT	OP	60		6
	EG	HV 0053	M-02EG02	G-5	3	B	18"	BT	MO	0	0	PIT	RR			
	EG	HV 0054	M-02EG02	F-5	3	B	18"	BT	MO	0	0	BT	OP	60		6
	EG	HV 0054	M-02EG02	F-5	3	B	18"	BT	MO	0	0	PIT	RR			
I	EG	HV 0072	M-02EG02	G-2	3	B	2"	GA	MO	0	C/O	BT	OP	23		6
I	EG	HV 0073	M-02EG02	G-2	3	B	2"	GA	MO	0	C/O	BT	OP	23		6
I	EG	HV 0074	M-02EG02	G-1	3	B	2"	GA	MO	0	C/O	BT	OP	23		6
I	EG	HV 0075	M-02EG02	G-1	3	B	2"	GA	MO	0	C/O	BT	OP	23		6
	EG	HV 0101	M-02EG02	G-4	3	B	18"	BT	MO	0	0	BT	OP	60		6
	EG	HV 0101	M-02EG02	G-4	3	B	18"	BT	MO	0	0	PIT	RR			
	EG	HV 0102	M-02EG02	C-4	3	B	18"	BT	MO	0	0	BT	OP	60		6
	EG	HV 0102	M-02EG02	C-4	3	B	18"	BT	MO	0	0	PIT	RR			
	EG	TV 0029	M-02EG02	G-6	3	B	20"	BT	AO	0	C	BT	OP	50		
	EG	TV 0029	M-02EG02	G-6	3	B	20"	BT	AO	0	C	FST	OP			
	EG	TV 0030	M-02EG02	C-6	3	B	20"	BT	AO	0	C	BT	OP	50		
	EG	TV 0030	M-02EG02	C-6	3	B	20"	BT	AO	0	C	FST	OP			
	EG	V 0024	M-02EG02	G-6	3	C	1"	RV	BA	C	0	RVT	RR			2
	EG	V 0027	M-02EG02	G-5	3	C	1"	RV	BA	C	0	RVT	RR			2
	EG	V 0036	M-02EG02	G-5	3	C	18"	CK	BA	0	0	NA				3
	EG	V 0049	M-02EG02	C-6	3	C	1"	RV	BA	C	0	RVT	RR			2
	EG	V 0052	M-02EG02	C-5	3	C	1"	RV	BA	C	0	RVT	RR			2
	EG	V 0061	M-02EG02	F-5	3	C	18"	CK	BA	0	0	NA				3
	EG	V 0060	M-02EG02	H-4	3	B	12"	BT	H	0	0	NA				1,2
	EG	V 0201	M-02EG02	D-4	3	B	12"	BT	H	0	0	NA				1,2

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SY	ULV-NUMBER	*P-ID-*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TM	MAX	*R/R	*NOTES-*
EH	9922A	M-02EH01	E-5	2	C	4"	CK	SA	C	0	CVT	RR		EH-1	5
EH	9922B	M-02EH01	D-5	2	C	4"	CK	SA	C	0	CVT	RR		EH-1	5
EH	9926A	M-02EH01	E-7	2	C	8"	CK	SA	C	0	CVP	OP		EH-3	
EH	9926A	M-02EH01	E-7	2	C	8"	CK	SA	C	0	CVT	RR		EH-3	
EH	9926B	M-02EH01	D-7	2	C	8"	CK	SA	C	0	CVP	OP		EH-3	
EH	9926B	M-02EH01	D-7	2	C	8"	CK	SA	C	0	CVT	RR		EH-3	
EH	HV 8802A	M-02EH01	E-4	2	B	4"	GA	HO	C	0	BT	OP	10		6
EH	HV 8802A	M-02EH01	E-4	2	B	4"	GA	HO	C	0	PIT	RR			
EH	HV 8802B	M-02EH01	D-4	2	B	4"	GA	HO	C	0	BT	OP	10		5+6
EH	HV 8802B	M-02EH01	D-4	2	B	4"	GA	HO	C	0	PIT	RR			
EH	HV 8807A	M-02EH01	G-7	2	B	6"	GA	HO	C	0	BT	OP	15		6
EH	HV 8807A	M-02EH01	G-7	2	B	6"	GA	HO	C	0	PIT	RR			
EH	HV 8807B	M-02EH01	F-7	2	B	6"	GA	HO	C	0	BT	OP	15		6
EH	HV 8807B	M-02EH01	F-7	2	B	6"	GA	HO	C	0	PIT	RR			
EH	HV 8814A	M-02EH01	B-6	2	B	1.5"	GL	HO	0	0	BT	OP	10		6
EH	HV 8814A	M-02EH01	B-6	2	B	1.5"	GL	HO	0	0	PIT	RR			
EH	HV 8814B	M-02EH01	B-5	2	B	1.5"	GL	HO	0	0	BT	OP	10		6
EH	HV 8814B	M-02EH01	B-5	2	B	1.5"	GL	HO	0	0	PIT	RR			
EH	HV 8821A	M-02EH01	E-4	2	B	4"	GA	HO	0	0	BT	OP	10		6
EH	HV 8821A	M-02EH01	E-4	2	B	4"	GA	HO	0	0	PIT	RR			
EH	HV 8821B	M-02EH01	D-4	2	B	4"	GA	HO	0	0	BT	OP	10		6
EH	HV 8821B	M-02EH01	D-4	2	B	4"	GA	HO	0	0	PIT	RR			
EH	HV 8823	M-02EH01	C-4	2	B	.75"	GL	AO	C	0	BT	OP	10		
EH	HV 8823	M-02EH01	C-4	2	B	.75"	GL	AO	C	0	FST	OP			
EH	HV 8823	M-02EH01	C-4	2	B	.75"	GL	AO	C	0	PIT	RR			
EH	HV 8824	M-02EH01	D-3	2	B	.75"	GL	AO	C	0	BT	OP	10		
EH	HV 8824	M-02EH01	D-3	2	B	.75"	GL	AO	C	0	FST	OP			
EH	HV 8824	M-02EH01	D-3	2	B	.75"	GL	AO	C	0	PIT	RR			
EH	HV 8833	M-02EH01	B-4	2	B	4"	GA	HO	0	0	BT	OP	10		6+5
EH	HV 8833	M-02EH01	B-4	2	B	4"	GA	HO	0	0	PIT	RR			
EH	HV 8871	M-02EH01	B-5	2	A	.75"	GL	AO	C	0	BT	RR			11
EH	HV 8871	M-02EH01	B-5	2	A	.75"	GL	AO	C	0	BT	OP	10		
EH	HV 8871	M-02EH01	B-5	2	A	.75"	GL	AO	C	0	FST	OP			
EH	HV 8871	M-02EH01	B-5	2	A	.75"	GL	AO	C	0	PIT	RR			
EH	HV 8881	M-02EH01	B-4	2	B	.75"	GL	AO	C	0	BT	OP	10		
EH	HV 8881	M-02EH01	B-4	2	B	.75"	GL	AO	C	0	FST	OP			
EH	HV 8881	M-02EH01	B-4	2	B	.75"	GL	AO	C	0	PIT	RR			
EH	HV 8888	M-02EH01	F-6	2	A	1"	GL	AO	C	0	AT	RR			9+10
EH	HV 8888A	M-02EH01	B-1	1	B	.75"	GL	AO	C	0	NA				3
EH	HV 8888B	M-02EH01	B-1	1	B	.75"	GL	AO	C	0	NA				3
EH	HV 8888C	M-02EH01	B-1	1	B	.75"	GL	AO	C	0	NA				3
EH	HV 8888D	M-02EH01	B-1	1	B	.75"	GL	AO	C	0	NA				3
EH	HV 8923A	M-02EH01	E-7	2	B	6"	GA	HO	0	0	NA				3
EH	HV 8923B	M-02EH01	B-7	2	B	6"	GA	HO	0	0	NA				3
EH	HV 8924	M-02EH01	B-3	2	B	6"	GA	HO	0	0	NA				3
EH	HV 8944	M-02EH01	B-6	2	A	.75"	GL	AO	C	0	AT	RR			11
EH	HV 8944	M-02EH01	B-6	2	A	.75"	GL	AO	C	0	BT	OP	10		
EH	HV 8944	M-02EH01	B-6	2	A	.75"	GL	AO	C	0	FST	OP			
EH	HV 8944	M-02EH01	B-6	2	A	.75"	GL	AO	C	0	PIT	RR			
EH	V 0001	M-02EH01	F-3	1	A.C	2"	CK	SA	C	0/C	AT	CB			7
EH	V 0001	M-02EH01	F-3	1	A.C	2"	CK	SA	C	0/C	CVT	RR		EH-2	5
EH	V 0002	M-02EH01	E-3	1	A.C	2"	CK	SA	C	0/C	AT	CB			7
EH	V 0002	M-02EH01	E-3	1	A.C	2"	CK	SA	C	0/C	CVT	RR		EH-2	5
EH	V 0003	M-02EH01	D-3	1	A.C	2"	CK	SA	C	0/C	AT	CB			7

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SY	ULV-NUMBER	*P+ID-*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TM	MAX	*R/R	*NOTES-*
EM	8815	H-02EM02	D-3	1	A.C	3"	CK	SA	C	O/C	AT	CS			7
EM	8815	H-02EM02	D-3	1	A.C	3"	CK	SA	C	O/C	CVT	RR		EM-3	5
EM	8852	H-02EM02	E-5	3	C	.75"	RV	SA	C	O	RVT	RR			2
EM	HV 8801A	H-02EM02	D-4	2	B	4"	GA	MO	C	O	BT	OP	10		6
EM	HV 8801A	H-02EM02	D-4	2	B	4"	GA	MO	C	O	PIT	RR			
EM	HV 8801B	H-02EM02	D-4	2	B	4"	GA	MO	C	O	BT	OP	10		6
EM	HV 8801B	H-02EM02	D-4	2	B	4"	GA	MO	C	O	PIT	RR			
EM	HV 8803A	H-02EM02	C-7	2	B	4"	GA	MO	C	O	BT	OP	10		6
EM	HV 8803A	H-02EM02	C-7	2	B	4"	GA	MO	C	O	PIT	RR			
EM	HV 8803B	H-02EM02	A-7	2	B	4"	GA	MO	C	O	BT	OP	10		6
EM	HV 8803B	H-02EM02	A-7	2	B	4"	GA	MO	C	O	PIT	RR			
I	EM	HV 8837A	C-7	2	B	1"	GL	SO	C	O	BT	OP	10		
EM	HV 8837A	H-02EM02	C-7	2	B	1"	GL	SO	C	O	FST	OP			
EM	HV 8837A	H-02EM02	C-7	2	B	1"	GL	SO	C	O	PIT	RR		EM-4	
I	EM	HV 8837B	S-7	2	B	1"	GL	SO	C	O	BT	OP	10		
EM	HV 8837B	H-02EM02	S-7	2	B	1"	GL	SO	C	O	FST	OP			
EM	HV 8837B	H-02EM02	S-7	2	B	1"	GL	SO	C	O	PIT	RR		EM-4	
EM	HV 8843	H-02EM02	C-4	2	B	.75"	GL	AO	C	C	BT	OP	10		
EM	HV 8843	H-02EM02	C-4	2	B	.75"	GL	AO	C	C	FST	OP			
EM	HV 8843	H-02EM02	C-4	2	B	.75"	GL	AO	C	C	PIT	RR			
EM	HV 8870A	H-02EM02	E-5	2	B	1"	GL	AO	O	C	BT	OP	5		
EM	HV 8870A	H-02EM02	E-5	2	B	1"	GL	AO	O	C	FST	OP			
EM	HV 8870A	H-02EM02	E-5	2	B	1"	GL	AO	O	C	PIT	RR			
EM	HV 8870B	H-02EM02	E-5	2	B	1"	GL	AO	O	C	BT	OP	5		
EM	HV 8870B	H-02EM02	E-5	2	B	1"	GL	AO	O	C	FST	OP			
EM	HV 8870B	H-02EM02	E-5	2	B	1"	GL	AO	O	C	PIT	RR			
EM	HV 8882	H-02EM02	C-3	2	B	.75"	GL	AO	C	C	BT	OP	5		3
EM	HV 8883	H-02EM02	D-4	2	B	1"	GL	AO	O	C	BT	OP	5		
EM	HV 8883	H-02EM02	D-4	2	B	1"	GL	AO	O	C	FST	OP			
EM	HV 8883	H-02EM02	D-4	2	B	1"	GL	AO	O	C	PIT	RR			
EM	V 0014	H-02EM02	E-6	2	C	1"	CK	SA	C	C	BT	OP			12
EM	V 0017	H-02EM02	E-6	2	C	1"	CK	SA	C	C	BT	OP			12
EM	V 0010	H-02EM02	C-7	2	C	1"	CK	SA	C	O	CVT	RR		EM-3	5
EM	V 0011	H-02EM02	E-7	2	C	1"	CK	SA	C	O	CVT	RR		EM-3	5

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SY	VLV-NUMBER	*P+ID*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TH	MAX	*R/R	*NOTES*
EN	HV 0001	M-02EN01	G-7	2	B	12"	GA	MO	C	C/O	BT	RR	30	EN-4	6.5
EN	HV 0001	M-02EN01	G-7	2	B	12"	GA	MO	C	C/O	PIT	RR			
EN	HV 0006	M-02EN01	G-4	2	B	10"	GA	MO	C	O	BT	OP	15		6
EN	HV 0006	M-02EN01	G-4	2	B	10"	GA	MO	C	O	PIT	RR			
EN	HV 0007	M-02EN01	B-7	2	B	12"	GA	MO	C	C/O	BT	RR	30	EN-4	6.5
EN	HV 0007	M-02EN01	B-7	2	B	12"	GA	MO	C	C/O	PIT	RR			
EN	HV 0012	M-02EN01	B-4	2	B	10"	GA	MO	C	O	BT	OP	15		6
EN	HV 0012	M-02EN01	B-4	2	B	10"	GA	MO	C	O	PIT	RR			
EN	HV 0015	M-02EN01	E-6	2	B	3"	GA	MO	C	O	BT	OP	5		
EN	HV 0015	M-02EN01	E-6	2	B	3"	GA	MO	C	O	PIT	RR			
EN	HV 0016	M-02EN01	D-6	2	B	3"	GA	MO	C	O	BT	OP	5		
EN	HV 0016	M-02EN01	D-6	2	B	3"	GA	MO	C	O	PIT	RR			
EN	V 0002	M-02EN01	G-7	2	C	12"	CK	SA	C	O	CVT	RR		EN-1	5
EN	V 0003	M-02EN01	G-7	2	C	12"	CK	SA	C	O	CVP	OP		EN-2	
EN	V 0004	M-02EN01	G-5	2	C	10"	CK	SA	C	O	CVP	OP		EN-2	
EN	V 0008	M-02EN01	F-7	2	C	12"	CK	SA	C	O	CVT	RR		EN-1	5
EN	V 0009	M-02EN01	B-7	2	C	12"	CK	SA	C	O	CVP	OP		EN-2	
EN	V 0010	M-02EN01	B-5	2	C	10"	CK	SA	C	O	CVP	OP		EN-2	
EN	V 0013	M-02EN01	G-4	2	C	10"	CK	SA	C	O	CVT	RR		EN-3	5
EN	V 0017	M-02EN01	B-4	2	C	10"	CK	SA	C	O	CVT	RR		EN-3	5
EN	V 0057	M-02EN01	F-5	2	C	1.75"	RV	SA	C	O	RVT				2
EN	V 0058	M-02EN01	F-5	2	C	1"	RV	SA	C	O	RVT				2
EN	V 0099	M-02EN01	F-6	2	C	3"	CK	SA	C	O	CVT	OP			
EN	V 0101	M-02EN01	D-6	2	C	3"	CK	SA	C	O	CVT	OP			
EN	V 0106	M-02EN01	F-5	2	C	1"	RV	SA	C	O	RVT				2

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SY	ULV-NUMBER	*P+ID-X	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TH	MAX	*R/R	*NOTES-X
EP	8818A	H-02EP01	G-3	1	A.C	6"	CK	SA	C	O/C	AT	CS			7
EP	8818A	H-02EP01	G-3	1	A.C	6"	CK	SA	C	O/C	CVT	CS		EP-1	5
EP	8818B	H-02EP01	F-3	1	A.C	6"	CK	SA	C	O/C	AT	CS			7
EP	8818B	H-02EP01	F-3	1	A.C	6"	CK	SA	C	O/C	CVT	CS		EP-1	5
EP	8818C	H-02EP01	D-3	1	A.C	6"	CK	SA	C	O/C	AT	CS			7
EP	8818C	H-02EP01	D-3	1	A.C	6"	CK	SA	C	O/C	CVT	CS		EP-1	5
EP	8818D	H-02EP01	C-3	1	A.C	6"	CK	SA	C	O/C	AT	CS			7
EP	8818D	H-02EP01	C-3	1	A.C	6"	CK	SA	C	O/C	CVT	CS		EP-1	5
EP	8853A	H-02EP01	H-7	2	C	1"	RV	SA	C	O	RVT				2
EP	8853B	H-02EP01	F-7	2	C	1"	RV	SA	C	O	RVT				2
EP	8853C	H-02EP01	D-7	2	C	1"	RV	SA	C	O	RVT				2
EP	8853D	H-02EP01	C-7	2	C	1"	RV	SA	C	O	RVT				2
EP	8956A	H-02EP01	G-4	1	A.C	10"	CK	SA	C	O	AT	CS			7
EP	8956A	H-02EP01	G-4	1	A.C	10"	CK	SA	C	O	CVT	RR		EP-2	5
EP	8956B	H-02EP01	E-4	1	A.C	10"	CK	SA	C	O	AT	CS			7
EP	8956B	H-02EP01	E-4	1	A.C	10"	CK	SA	C	O	CVT	RR		EP-2	5
EP	8956C	H-02EP01	D-4	1	A.C	10"	CK	SA	C	O	AT	CS			7
EP	8956C	H-02EP01	D-4	1	A.C	10"	CK	SA	C	O	CVT	RR		EP-2	5
EP	8956D	H-02EP01	B-4	1	A.C	10"	CK	SA	C	O	AT	CS			7
EP	8956D	H-02EP01	B-4	1	A.C	10"	CK	SA	C	O	CVT	RR		EP-2	5
EP	HV 8808A	H-02EP01	G-5	2	B	10"	BA	HO	O	O	NA				1,3
EP	HV 8808B	H-02EP01	E-5	2	B	10"	BA	HO	O	O	NA				1,3
EP	HV 8808C	H-02EP01	C-5	2	B	10"	BA	HO	O	O	NA				1,3
EP	HV 8808D	H-02EP01	B-5	2	B	10"	BA	HO	O	O	NA				1,3
EP	HV 8875A	H-02EP01	F-6	2	B	1"	GL	HO	O	O	NA				3
EP	HV 8875B	H-02EP01	E-6	2	B	1"	GL	HO	O	O	NA				3
EP	HV 8875C	H-02EP01	D-6	2	B	1"	GL	HO	O	O	NA				3
EP	HV 8875D	H-02EP01	C-6	2	B	1"	GL	HO	O	O	NA				3
EP	HV 8877A	H-02EP01	F-4	2	B	.75"	GL	HO	O	O	NA				3
EP	HV 8877B	H-02EP01	E-4	2	B	.75"	GL	HO	O	O	NA				3
EP	HV 8877C	H-02EP01	D-4	2	B	.75"	GL	HO	O	O	NA				3
EP	HV 8877D	H-02EP01	C-4	2	B	.75"	GL	HO	O	O	NA				3
EP	HV 8878A	H-02EP01	G-5	2	B	1"	GL	HO	O	O	NA				3
EP	HV 8878B	H-02EP01	E-5	2	B	1"	GL	HO	O	O	NA				3
EP	HV 8878C	H-02EP01	D-5	2	B	1"	GL	HO	O	O	NA				3
EP	HV 8878D	H-02EP01	C-5	2	B	1"	GL	HO	O	O	NA				3
EP	HV 8879A	H-02EP01	G-4	2	B	.75"	GL	HO	O	O	NA				3
EP	HV 8879B	H-02EP01	E-4	2	B	.75"	GL	HO	O	O	NA				3
EP	HV 8879C	H-02EP01	D-4	2	B	.75"	GL	HO	O	O	NA				3
EP	HV 8879D	H-02EP01	C-4	2	B	.75"	GL	HO	O	O	NA				3
EP	HV 8880	H-02EP01	A-4	2	A	1"	GL	HO	O	O	AT	RR			3,11
EP	HV 8950A	H-02EP01	F-7	2	B	1"	GL	80	O	O	BT	RR	10	EP-4	3
EP	HV 8950A	H-02EP01	F-7	2	B	1"	GL	80	O	O	PIT	RR			
EP	HV 8950B	H-02EP01	F-6	2	B	1"	GL	80	O	O	BT	RR	10	EP-4	3
EP	HV 8950B	H-02EP01	F-6	2	B	1"	GL	80	O	O	PIT	RR			
EP	HV 8950C	H-02EP01	F-7	2	B	1"	GL	80	O	O	BT	RR	10	EP-4	3
EP	HV 8950C	H-02EP01	F-7	2	B	1"	GL	80	O	O	PIT	RR			
EP	HV 8950D	H-02EP01	G-8	2	B	1"	GL	80	O	O	BT	RR	10	EP-4	3
EP	HV 8950D	H-02EP01	G-8	2	B	1"	GL	80	O	O	PIT	RR			
EP	HV 8950E	H-02EP01	D-7	2	B	1"	GL	80	O	O	BT	RR	10	EP-4	3
EP	HV 8950E	H-02EP01	D-7	2	B	1"	GL	80	O	O	PIT	RR			
EP	HV 8950F	H-02EP01	C-8	2	B	1"	GL	80	O	O	BT	RR	10	EP-4	3
EP	HV 8950F	H-02EP01	C-8	2	B	1"	GL	80	O	O	PIT	RR			
EP	V 0010	H-02EP01	G-3	1	A.C	2"	CK	SA	C	O/C	AT	CS			7

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SY	VLV-NUMBER	*P+ID-*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TH	MAX	*R/R	*NOTES-*
KA	FV 0029	M-02KA01	D-2	2	A	2"	GL	AO	0	C	AT	RR			11
KA	FV 0029	M-02KA01	D-2	2	A	2"	GL	AO	0	C	BT	CS	5	KA-1	5
KA	FV 0029	M-02KA01	D-2	2	A	2"	GL	AO	0	C	FST	CS		KA-1	
KA	FV 0029	M-02KA01	D-2	2	A	2"	GL	AO	0	C	PIT	RR			
KA	HV 0030	M-02KA01	C-1	2	B	1.5"	GA	MO	C	0	BT	CS	12	KA-1	5
KA	HV 0030	M-02KA01	C-1	2	B	1.5"	GA	MO	C	0	PIT	RR			
KA	V 0204	M-02KA01	C-2	2	A.C	1.5"	CK	SA	0	C	AT	RR		VO-1	5+11

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SY	ULV-NUMBER	*P+ID*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TM	MAX	*R/R	*NOTES*
1	KJ	HV 0001	M-02KJ01	A-6	3	B	1"	GA	MO	0	C	RT	QP	12	

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SY	VLV-NUMBER	*P+ID-#	CRD	I	CAT	*SIZE	TYP	AT	FOS	DIR	TST	TH	MAX	*R/R	*NOTES-#
I	KJ	HV 0002	H-02KJ03	A-6	3	B	1"	GA	MO	O	C	BT	OP	12	

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SY	VLV-NUMBER	*P+ID-*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TM	MAX	*R/R	*NOTES-*
1	KJ	HV 0101	M-02KJ04	A-6	3	B	1'	GA	MO	O	C	BT	OP	12	

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SY	VLV-NUMBER	*P+ID*	CRD	I	CAT	*SIZE	TYP	AT	POS	DIR	TST	TH	MAX	*R/R	*NOTES*
KJ	HV 0102	M-02KJ06	A-6	3	B	1'	GA	MO	D	C	BT	OP	12		