

**MORAY COUNCIL  
ROADS MAINTENANCE  
WINTER SERVICE OPERATIONAL PLAN**

**APPENDIX I**

**Salt Stock Levels**

- 1) Assessment of the total remaining salt stock level will be made during May and an summer order placed before 30 June to target maximum storage capacity through summer/autumn deliveries. This order will be rounded to achieve the requisite number of boat deliveries based on an average of 2500t per boat.
- 2) At 1st November absolute minimum total stock level to be 50% of annual average usage.
- 3) After delivery of full summer order, and 1st January, further salt orders will be placed when the current salt stock drops below a figure of remaining average usage + 2500t.
- 4) Typical average monthly usage per depot is given in the table I-2 below.
- 5) At small depots, salt will be transferred from the main depots when minimum stock levels drop below a resilience equivalent to 6 days of heavy usage\*, during the core winter period of 1st November to 1st March. During the core winter period a minimum of 10 days heavy usage\* resilience will be maintained at main depots  

\* heavy usage is defined as the maximum historic amount of salt recorded as leaving a particular depot on an individual day
- 6) Should total stock fall below the total resilience figure, for any reason during the core winter period, further salt preservation measures will be implemented, as directed by Roads Maintenance Manager

**Table I-1 Salt Storage**

Depot	Depot Capacity				Minimum Resilience Level
	Within a Storage Bay		In Open Storage	Depot Total	
	Covered	Uncovered			
Elgin *	6,000	0	0	6,000	1,500
Forres	0	0	1,000	1,000	330
Buckie	0	800	200	1,000	400
Keith & Auchinhove	0	2,000	0	2,000	550
Dufftown *	0	1,000	3,250	4,250	1,000
Tomintoul	0	500	500	1,000	280
<b>Totals :-</b>	<b>6,000</b>	<b>4,300</b>	<b>4,950</b>	<b>15,250</b>	<b>4,060</b>

**Table I-2 Average Salt Usage**

Depot	Average Monthly Usage (seasons 11/12 - 20/21)						
	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Elgin *	65	411	901	1137	789	373	134
Forres	22	151	321	392	268	152	39
Archiestown	12	76	165	191	135	90	22
Buckie	20	154	346	434	304	161	43
Keith & Auchinhove	45	246	556	680	478	246	86
Dufftown *	66	322	666	877	619	318	123
Tomintoul	43	207	348	433	333	207	74
<b>Totals :-</b>	<b>272</b>	<b>1,567</b>	<b>3,302</b>	<b>4,144</b>	<b>2,927</b>	<b>1,546</b>	<b>521</b>
<b>Grand Total :-</b>	<b>14,279</b>						

**Table Notes :-**

1. The figures above are given as tonnages and are calculated based on a salt density of 1.3 tonnes / cu.m
2. An asterix (\*) next to a depot name indicates that the depot is a "Main Depot"

APPENDIX I

Salt Stock Levels