



## Selection of Hearing Protection

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**Approved by:** Jim Toye, City Manager

**Signature:**  **Procedure No:** 8.3

**Effective:** August 17, 2018 **Replaces:** June 15, 2015

The City of Prince Albert stocks a variety of hearing protection at central stores. Each make/model or style of hearing protection has a different level of effective protection and is designed to be used in different circumstances. Two main factors must be considered when selecting appropriate hearing protection. Those factors are: the level of the noise measured in dba and the duration that individuals will be exposed to that noise level. In order to assist all staff in selecting the appropriate hearing protection for their individual work environment the following chart was developed.

Level 1. non formable ear plugs with string NRR 25---effective protection 0.5 dba				
Level 2. Formable ear plugs no string NRR 29--effective protection 7 dba				
Level 3. hard hat mount ear muff--NRR 24-effective protection 10 dba				
Level 4. hard hat mount ear muff--NRR 27--effective protection 12 dba				
Level 5. ear muff style--NRR 30-effective protection 14 dba				
Level 6. NRR 24 hard hat mount ear muff with formable plugs NRR 29--effective protection 17 dba				
Level 7. hard hat mount ear muff--NRR27 and formable plug NRR29--effective protection 19 dba.				
Level 8. NRR 30 ear muff with formable plugs NRR 29--effective protection 21 dba				
<b>NRR= Noise Reduction rating</b>				
<b>Exposure Time</b>				
	<b>&lt; 2 hrs</b>	<b>2-4 hrs</b>	<b>4-6 hrs</b>	<b>6-8 hrs</b>
	85	1	1	1
avg.	88	1	1	2
dba	91	2	2	2
	94	2	2	3
	97	3	3	4
	100	3	4	5
	103	5	6	7
	106	6	7	8
	> 106	consult safety coordinator		