

APPENDIX XIII

COMPARISON OF NISE STUDY RESULTS AND PV PROJECT RESULTS

Petrol Volatility Component

Table A-XIII.1 NISE study data used for vehicle selection

Volatility Testing													
Vehicle	Rep	Man Date	Date		Type	Model	Evap (g)		Purge (l)		Cap 'sniff' (ppm)		Engine size
A	F/C	85	19/07/94	21/07/94	Toyota	Corola (hat)	4.42	7.36	33.85	33.35	20.0	15.50	1.6L
B	F/C	85	05/07/94	07/07/94	Ford	Falcon (sed)	7.20	8.62	0.00	0.00	8.6	9.10	4.1L
C	F/C	87	27/06/94	29/06/94	Mits	Sigma (sed)	4.90	2.10	48.90	48.20	1000.0	12.30	2.6L
D	-	89	12/07/94	14/07/94	Ford	Laser (s/w)	0.39	0.69	0.00	0.07	5.6	6.60	1.6L

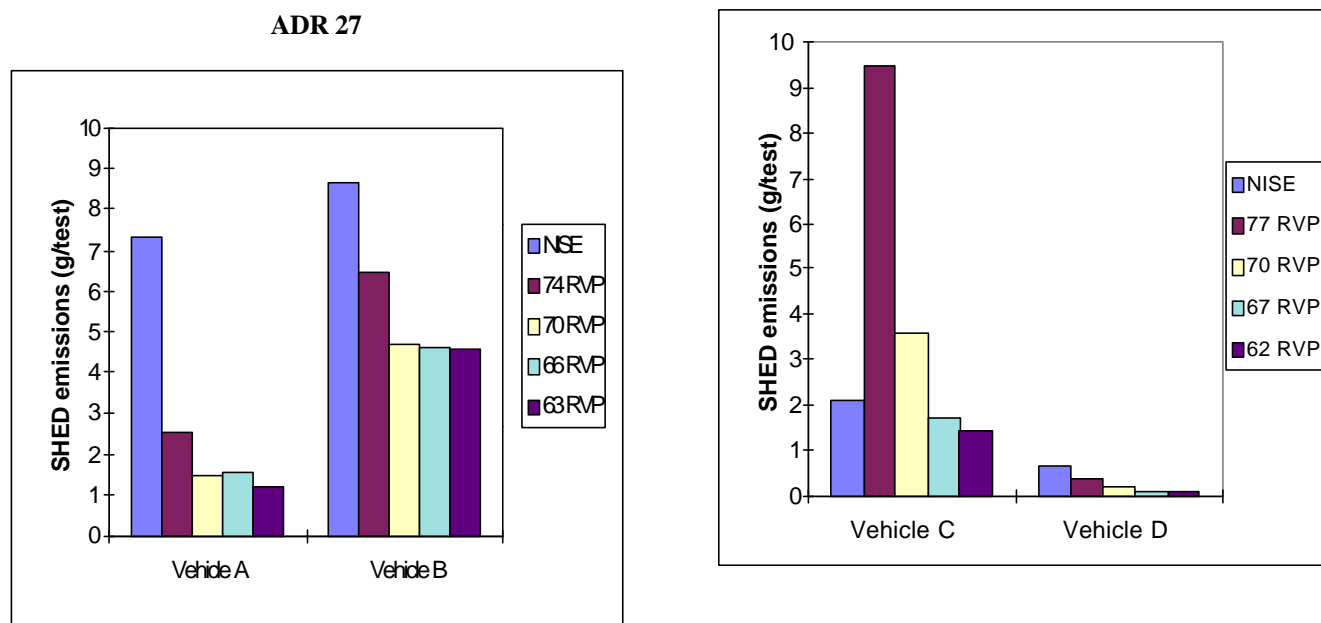
C/C carbon canister, F/C fuel cap, Rep replacement made, Man Date date of manufacture

No parts were replaced in the volatility component of the PV project.

Table A-XIII.2 SHED results: NISE (post tune) and Petrol Volatility Component

VEHICLE	NISE (post tune)	74 RVP	70 RVP	66 RVP	63 RVP
Vehicle A	7.36	2.56	1.47	1.58	1.2
Vehicle B	8.62	6.44	4.68	4.62	4.58
VEHICLE	NISE (post tune)	77 RVP	70 RVP	67 RVP	62 RVP
Vehicle C	2.1	9.48	3.58	1.7	1.43
Vehicle D	0.69	0.4	0.2	0.1	0.1

Figure A-XIII.1 Comparison of post tune NISE and Volatility Component SHED results



Carbon Canister Component

Table A-XIII.3 NISE study data used for vehicle selection

Canister Testing													
Owner	Rep	Man Date	Date		Type	Model	Evap (g)		Purge (l)		Cap 'sniff' (ppm)		Engine size
1	F/C	80	22/11/94	24/11/94	Ford	Cortina (sed)	13.09	10.70	11.85	10.10	2173.30	64.30	2.0 L
2	-	82	16/08/94	18/08/94	Nissan	Pulsar (sed)	4.24	5.10	29.79	29.02	18.00	22.50	1.5 L
3	-	83	9/08/94	11/08/94	Toyota	Corrola (sed)	15.10	7.44	0.00	0.00	13.00	13.30	1.3 L
4	F/C	85	7/05/95	9/05/95	Mits	Colt (sed)	18.90	12.10	2.64	3.90	>1000	18.00	1.4 L
5	-	85	29/11/94	1/12/94	GMH	Com (sed)	22.13	18.88	18.00	17.90	8.10	8.40	3.3 L
6	C/C	87	28/06/94	30/06/94	Mits	Magna (sed)	13.70	1.00	0.00	0.03	3.30	3.30	2.6 L
7	F/C	89	13/09/94	15/09/94	GMH	Com (sed)	7.20	2.23	0.00	0.00	1353.00	2.00	3.8 L
8	-	90	20/09/94	23/09/94	Nissan	Pintara (sed)	4.06	4.10	0.00	0.00	5.60	6.30	2.0 L
9	-	91	13/12/94	15/12/94	Toyota	Camry (sed)	3.07	0.64	>27.2	>28.9	0.00	0.02	2.0 L

C/C carbon canister, F/C fuel cap, Rep replacement made, Man Date date of manufacture

Table A-XIII.4 SHED results NISE (post tune) and Canister Component

Vehicle	1	2	3	4	5	6	7	8	9
NISE (post tune)	10.70	5.10	7.44	18.88	12.10	1.00	2.23	4.10	0.64
Old canister	31.73	3.75	7.84	40.44	18.80	7.42	1.71	0.61	0.48
New canister	33.66	2.88	7.35	43.00	6.23	0.97	0.21	0.15	0.28

In the canister component of the PV project all canisters were replaced. Other items which were replaced were the fuel cap on vehicle 4 and the radiator cap on vehicle 8.

Figure A-XIII.2 Comparison of NISE (post tune) and Canister SHED results

