APPENDIX A.

NDEP AIR QUALITY MONITORING DATA

This is a draft report and is not intended to be a final representation of the work done or recommendations made by Brown and Caldwell. It should not be relied upon; please consult the final report.

MDEP/ANACONDA 1 PROJECT
PM10

DATE	STN NO	FILTER ID	INITIAL (FILTER	FINAL WEIGHT	NET IN GMS)	FLOW (SCFM)	DURATION (HRS)	PM10 (GMS-6/M3)	STATUS	COMMENT
NACONDA 1										
940616		03592857	4.4532	4.4816	0.0284	33.2	24.2	21	0	
940622		03592859	4.3839	4.4324	0.0485	33.5	24.1	35	0	
940625		03592861	4.4527	4.4891	0.0364	33.0	29.7	22	0	
940628		03592860	4.4347	4.4691	0.0344	33.5	24.0	25	0	
940701		03592862	4.4283	4.4547	0.0264	34.2	24.1	19	0	
940704		03592885	4.4559	4.4755	0.0196	32.6	24.1	15	0	
940707		03592863	4.4020	4.4361	0.0341	33.5	24.0	25	0	
940709		03592884	4.4368	4.4697	0.0329	33.5	21.2	27	0	
940710		03592864	4.4256	4.4546	0.0290	33.3	24.0	21	0	
940713		03592865	4.4697	4.5048	0.0351	33.8	24.0	25	0	
940716		03592866	4.3769	4.4204	0.0435	33.3	24.0	32	0	
940719		03592867	4.4158	4.4600	0.0442	33.5	24.0	32	0	

Dates

PM_{10} ($\mu g/m^3$)

MDEP/WEED WEIGHTS 1 PROJECT
PM10

DATE	STN NO	FILTER ID	INITIAL (FILTER	FINAL WEIGHT	NET IN GMS)	FLOW (SCFM)	DURATION (HRS)	PM10 (GMS-6/M3)	STATUS	COMMENT
WEED WEIGHTS 1										
940622		03592827	4.3861	4.4123	0.0262	35.2	24.0	18	0	
940625		03592828	4.4132	4.4278	0.0146	35.3	23.9	10	0	
940628		03592829	4.4290	4.4508	0.0218	35.0	24.0	15	0	
940701		03592830	4.4621	4.4781	0.0160	35.3	24.0	11	0	
940704		03592831	4.4399	4.4522	0.0123	35.0	24.0	9	0	
940707		03592832	4.3843	4.4062	0.0219	35.3	23.9	15	0	
940709		03592833	4.4460	4.4699	0.0239	35.3	21.3	19	0	
940710		03592834	4.4578	4.4857	0.0279	35.0	23.9	20	0	
940713		03592835	4.4129	4.4386	0.0257	35.0	23.9	18	0	
940716		03592837	4.4363	4.4675	0.0312	35.3	23.4	22	0	
940719		03592838	4.4248	4.4519	0.0271	35.3	23.9	19	0	

Dates

PM_{10} ($\mu g/m^3$)

Standard = 150 $\mu g/m^3$

NDEP WEED HEIGHTS PM_{10}

Date (1994)		PM_{10} ($\mu g/m^3$)	Q_{ACT} (cfm)	Q_{STD} (scfm)	Sample Time (hrs)	Net Weight (g)	Comments
Aug	3	17	40.9	35.2	23.9	0.0249	
	6	18	41.2	35.3	24.0	0.0254	
	9	20	40.7	35.0	23.9	0.0285	
	12	15	41.1	35.3	24.0	0.0210	
	15	13	41.2	35.3	24.0	0.0185	

NDEP ANACONDA 1 PROJECT PM_{10}

Date (1994)		PM_{10} ($\mu g/m^3$)	Q_{ACT} (cfm)	Q_{STD} (scfm)	Sample Time (hrs)	Net Weight (g)	Comments
Aug	3	30	39.1	32.9	24.1	0.0404	
	6	38	39.2	33.0	24.1	0.0518	
	9	45	39.9	33.7	24.1	0.0613	
	12	30	39.8	33.5	24.1	0.0417	
	15	32	39.6	33.4	24.1	0.0436	

Sierra Environmental Monitoring, Inc.
1135 Financial Boulevard Reno, NV 89502
702-857-2400 FAX 702857-2404

Laboratory Analysis Report No. 10926

Client: State of Nevada
Department of Environmental Prcection
123 West Nye Lane
Carson City, NV 89710
Attn: Mr.'s Robert Smith, ThomasFronapfel

Copper

Sampling Station	Filter Number	Flow SCM	Flow SCCM	Run Time Hours	Run Time Minutes	Volume M3	Copper mg/l	Copper ug	Copper ug/m3
Anaconda	Q3592859	33.5253	0.949456	24.06	1443.6	1370.635	0.34	68.0	0.0496

Metals digest for Copper - 1/4 of filter in 50 ml final volume

Sulfate

Sampling Station	Filter Number	Flow SCM	Flow SCCM	Run Time Hours	Run Time Minutes	Volume M3	Sulfate mg/l	Sulfate ug	Sulfate ug/m3
Anaconda	Q3592859	33.5253	0.949456	24.06	1443.6	1370.635	6.4	640.0	0.4669

Auqeous extrate for sulfate - 1/2 of filter in 100 ml final volume

Phone (702) 857-2400
FAX (702) 857-2404

William F. Pitsbury
President

Table 2.1 Air quality monitoring results (ug/m3) from NDEP 1996-1998.

Parameter	Monitoring	Interval			NAAQS[1]
	1/01/96 – 12/31/96	1/01/97 – 12/31/97	1/01/98- 3/01/98	4/01/98 - 5/11/98	
NO_2					
Annual Mean	8	8	4	6	100
O_3					
1-hour max	161	141	118	139	235
SO_2					
1-hour max	257	102	26	10	NS[2]
3-hour max	188	52	13	10	1,300
24-hour max	65	50	8	8	365
Annual mean	6	5	5	8	80
CO					
1-hour max	1,260	2,061	916	573	40,000
8-hour max	1,145	1,603	802	458	10,000
PM_{10}					
24-hour max	46	17.2	5.8	29.4	150
Annual mean	14	8	2.2	12.9	50

[1]The Nevada and National Ambient Air Quality Standards (NAAQS) are indicated after the measured values. [2]NS - No Standard established.