WORLD RESOURCES COMPANY

Recyclable Material Profile

EXHIBIT A

A. Generator Information: **Account/Profile I.D. Number: W2149A**

1. Generator: Alaskan Copper Works
2. Address: P. O. Box 3546, Seattle, WA 98124
3. Contact: Mr. Gerald Thompson
   Title: Environmental Assistant
4. Material EPA Waste Code: F006
5. Generator's EPA ID Number: WAD980738546
6. Generator's State ID Number:

B. Recyclable Material Characteristics:

1. Color(s): Brown

2. Odor: [X] None [ ] Mild [ ] Strong
   Description of Odor:

3. Physical State (Ambient): [X] **Solid** [ ] **Liquid**
   Consistency similar to: [ ] Sand [ ] Powder [X] Wet Clay [ ] Other
   Viscosity similar to: [ ] Water [ ] Oil [ ] Honey
   % Solids: 21.30

4. Physical Composition: [ ] Multi-layered [ ] Bi-layered [X] Homogeneous

5. Free Liquids Present: (EPA SW 846, Method 9095) [X] No [ ] Yes

6. Radionuclides: [X] Not Detected [ ] Detected

7. pH Test: (EPA SW 846, Method 9040/9045)
   pH: 9.07

8. Volatile Organics (Ambient): [X] Not Detected [ ] Detected _____ ppm
   Type:

9. Ignitability: (Ref. 40 CFR §261.21) [X] Not Ignitable [ ] Ignitable

C. Analytical Data: (Content on a dry weight basis in ppm or %)

Constituent *		Content	Constituent *		Content
1. Aluminum[1]	Al	6130 ppm	19. Magnesium[2]	Mg	2425 ppm
2. Antimony[1]	Sb	383 ppm	20. Manganese[1]	Mn	7023 ppm
3. Arsenic[1]	As	7.1 ppm	21. Mercury[3]	Hg	< 0.03 ppm
4. Barium[1]	Ba	156 ppm	22. Nickel[1]	Ni	75860 ppm
5. Beryllium[1]	Be	12.00 ppm	23. Selenium[1]	Se	< 2.2 ppm
6. Bismuth[1]	Bi	258 ppm	24. Silver[1]	Ag	< 1 ppm
7. Cadmium[1]	Cd	17.0 ppm	25. Thallium[4]	Tl	65.7 ppm
8. Calcium[1]	Ca	18750 ppm	26. Tin[1]	Sn	< 12 ppm
9. Chloride[7]	Cl	0.08 %	27. Zinc[1]	Zn	942 ppm
10. Chromium, Hexavalent[5]	Cr^{+6}	0 ppm			
11. Chromium, Total[1]	Cr	60020 ppm			
12. Cobalt[1]	Co	893 ppm			
13. Copper[1]	Cu	53120 ppm			
14. Cyanide, Amenable[6]	CN	0 ppm			
15. Cyanide, Total[6]	CN	0 ppm			
16. Fluoride[7]	F	0.36 %			
17. Iron[1]	Fe	328300 ppm			
18. Lead[1]	Pb	514 ppm			

*** Analytical Procedure References:**

1. EPA Method SW846 3050 / 6010 (Digestion / Analysis)
2. EPA Method SW846 3050 / 7450 or 6010 (Digestion / Analysis)
3. EPA Method SW846 3050 / Hydride generation (Digestion / Analysis)
4. EPA Method SW846 3050 / 7840 or 6010 (Digestion / Analysis)
5. EPA Method SW846 1311 / 7196 (Extraction / Analysis)
6. EPA Method SW846 9010 (Distillation / Analysis)
7. HNO_3 or H_2O_2 / EPA Method SW846 9056 (Digestion / Analysis)

D. Certification:

I hereby certify that all information submitted in this profile is complete and accurate to the best of my knowledge and belief.

Signed: _____ Date: 12/02/97

Title: Assistant Laboratory Manager & Staff Chemist

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WORLD RESOURCES COMPANY

Recyclable Material Profile

EXHIBIT A

A. Generator Information: **Account/Profile I.D. Number: W2149A3**

1. Generator: Alaskan Copper Works
2. Address: P. O. Box 3546, Seattle, WA 98124
3. Contact: Mr. Gerald Thompson
   Title: Environmental Assistant
4. Material EPA Waste Code: D007
5. Generator's EPA ID Number: WAD980738546
6. Generator's State ID Number:

B. Recyclable Material Characteristics:

1. Color(s): Brown, Black

2. Odor: [X] None [ ] Mild [ ] Strong
   Description of Odor:

3. Physical State (Ambient): [X] **Solid** [ ] **Liquid**
   Consistency similar to: [X] Sand [ ] Powder [ ] Wet Clay [ ] Other
   Viscosity similar to: [ ] Water [ ] Oil [ ] Honey
   % Solids: 84.60

4. Physical Composition: [ ] Multi-layered [ ] Bi-layered [X] Homogeneous

5. Free Liquids Present: (EPA SW 846, Method 9095) [X] No [ ] Yes

6. Radionuclides: [X] Not Detected [ ] Detected

7. pH Test: (EPA SW 846, Method 9040/9045)
   pH: 7.70

8. Volatile Organics (Ambient): [X] Not Detected [ ] Detected _____ ppm
   Type:

9. Ignitability: (Ref. 40 CFR §261.21) [X] Not Ignitable [ ] Ignitable

C. Analytical Data: (Content on a dry weight basis in ppm or %)

Constituent *		Content	Constituent *		Content
1. Aluminum[1]	Al	30760 ppm	19. Magnesium[2]	Mg	2484 ppm
2. Antimony[1]	Sb	361 ppm	20. Manganese[1]	Mn	4654 ppm
3. Arsenic[1]	As	11.7 ppm	21. Mercury[3]	Hg	< 0.01 ppm
4. Barium[1]	Ba	38 ppm	22. Nickel[1]	Ni	52310 ppm
5. Beryllium[1]	Be	9.30 ppm	23. Selenium[1]	Se	2.8 ppm
6. Bismuth[1]	Bi	144 ppm	24. Silver[1]	Ag	< 1 ppm
7. Cadmium[1]	Cd	31.0 ppm	25. Thallium[4]	Tl	17.7 ppm
8. Calcium[1]	Ca	3465 ppm	26. Tin[1]	Sn	500 ppm
9. Chloride[7]	Cl	0 %	27. Zinc[1]	Zn	1017 ppm
10. Chromium, Hexavalent[5]	Cr^{+6}	0 ppm			
11. Chromium, Total[1]	Cr	54960 ppm			
12. Cobalt[1]	Co	549 ppm			
13. Copper[1]	Cu	34040 ppm			
14. Cyanide, Amenable[6]	CN	0 ppm			
15. Cyanide, Total[6]	CN	0 ppm			
16. Fluoride[7]	F	0.02 %			
17. Iron[1]	Fe	259200 ppm			
18. Lead[1]	Pb	262 ppm			

*** Analytical Procedure References:**

1. EPA Method SW846 3050 / 6010 (Digestion / Analysis)
2. EPA Method SW846 3050 / 7450 or 6010 (Digestion / Analysis)
3. EPA Method SW846 3050 / Hydride generation (Digestion / Analysis)
4. EPA Method SW846 3050 / 7840 or 6010 (Digestion / Analysis)
5. EPA Method SW846 1311 / 7196 (Extraction / Analysis)
6. EPA Method SW846 9010 (Distillation / Analysis)
7. HNO_3 or H_2O_2 / EPA Method SW846 9056 (Digestion / Analysis)

D. Certification:

I hereby certify that all information submitted in this profile is complete and accurate to the best of my knowledge and belief.

Signed: _____ Date: 12/02/97

Title: Assistant Laboratory Manager & Staff Chemist

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