

LOU Identification and Associated Contaminants

LOU #	Name	Identified Potential Contaminants
1	Trade Effluent Settling Ponds	Muriatic acid Hydrochloric acid VOCs (benzene derivatives) SVOCs DDT Hexavalent Chromium Perchlorate Chlorate Ammonia Specific composition unknown waste streams acidic and caustic process liquors solids from waste neutralization processes hydrochloric acids liquid wastes metal containin liquid wastes
2	Open area south of Trade Effluent Settling Ponds area	Specific composition unknown acidic and caustic process liquors solids from waste neutralization processes hydrochloric acids liquid wastes metal containin liquid wastes
3	Air emissions associated with industiral processes	Not identified
4	Hardesty Chemical Company site	Muriatic acid Hydrochloric acid Sulfuric acid VOCs (benzene derivatives) SVOCs Arsenic DDT
5	On-Site portion of Beta Ditch + diversion ditch north of Pond C-1	Metals Hexavalent chromium Perchlorate Cyanide Sulfates Carbonates Phosphates Chloride Sulfide Ammonia Organochlorine pesticides
6	Unnamed drainage ditch segment	Not identified
7	Old Pond P-2 and associated conveyance facilities	Hexavalent chromium Chloride Chlorate Perchlorate Ammonia
8	Old P-3 Pond and associated conveyance facilities	Hexavalent chromium Chloride Chlorate Perchlorate Ammonia

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9	New P-2 and associated piping	Hexavalent chromium Chloride Chlorate Perchlorate Ammonia
10	On-Site Hazardous Waste Landfill	Sulfuric acid Metals Hexavalent Chromium Boron Manganese Chloride Chlorate Perchlorate Sodium hexametaphosphates Ammonia
11	Sodium chlorate filter cake holding area	Hexavalent chromium
12	Hazardous Waste Storage Area	Hexavalent chromium
13	Pond S-1	Metals Hexavalent chromium Boron Manganese Chlorate Perchlorate Ammonia Sodium hexametaphosphates Sulfuric acid
14	Pond P-1 and associated conveyance piping	Metals Hexavalent chromium Boron Manganese Chlorate Perchlorate Ammonia Sodium hexametaphosphates Sulfuric acid
15	Platinum drying unit	Metals Platinum Hexavalent chromium Chlorate Perchlorate Ammonia
16 / 17	Ponds AP-1, AP-2, and AP-3 and associated transfer lines	Metals Hexavalent chromium Magnesium Sulfates Carbonates Sulfide Perchlorate Chlorate Ammonia

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18	Pond AP-4	Metals Hexavalent chromium Magnesium Sulfates Carbonates Sulfide Perchlorate Chlorate Ammonia
19	Ponds AP-5 & AP-6	Metals Hexavalent chromium Perchlorate Chlorate Ammonia
20	Pond C-1 and associated piping	Metals Hexavalent chromium Boron VOCs SVOCs Chlorate Perchlorate Phosphates Sulfates Carbonates Borates Boron trichloride Boron tribromide
21	Pond Mn-1 and associated piping	Metals Magnesium Manganese Manganese dioxide Boron Hexavalent chromium Perchlorate Chlorate Sodium hexametaphosphate
22	Pond WC-W and associated piping	Metals Magnesium Manganese Manganese dioxide Boron Hexavalent chromium Perchlorate Chlorate Sodium hexametaphosphate Hypochlorite

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23	Pond WC-E and associated piping	Metals Magnesium Manganese Manganese dioxide Boron Hexavalent chromium Perchlorate Chlorate Sodium hexametaphosphate Hypochlorite
24	Leach beds, associated conveyance facilities and Mn tailings area	Metals Manganese Trace heavy metals
25	Process hardware storage area	Metals Hexavalent chromium Chlorate residue Perchlorate residue Ammonia residue
26	Trash storage area	Metals Chlorate Perchlorate Ammonia
27	PCB storage area	PCBs
28	Hazardous Waste Storage Area	Metals Hexavalent chromium Perchlorate VOCs SVOCs
29	Solid waste dumpsters	Metals Perchlorate
30	AP Plant area - Pad 35	Hexavalent chromium Perchlorate Chlorate Ammonia
31	Drum recycling area	Metals Perchlorate Chlorate
32	Groundwater remediation unit	Metals Hexavalent chromium Total chromium Iron Perchlorate
33	Sodium perchlorate platinum by-product filter	Metals Chromium Platinum Perchlorate Chlorate Ammonia

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34	Former Mn tailings area	Metals Manganese Heavy metals Sulfuric acid
35	Truck emptying/dumping site	Unknown - reportedly "inorganic wastes"
36	Former satellite accumulation point - Maintenance Shop	Metals Acid wastes VOCs Caustics
37	Former satellite accumulation point - Unit 6 Maintenance Shop	Metals VOCs SVOCs
38	Former satellite accumulation point - AP Change House & Laboratory	Metals Hexavalent chromium Perchlorate Chlorate Ammonia Acids Caustics VOCs Alcohols Dilute formaldehyde titrant
39	Satellite accumulation point - AP maintenance shop	Metals Perchlorate VOCs
40	PCB transformer spill	PCBs VOCs SVOCs
41	Unit 1 tenant stains	VOCs SVOCs
42	Unit 2 salt conveyor	Sodium chloride
43	Unit 4 and old Sodium Chlorate Plant decommissioning	Metals Hexavalent chromium Manganese Boron Perchlorate Chlorate Ammonia
44	Unit 6 basement	Metals Manganese Sodium hexametaphosphate
45	Diesel storage tanks	Metals VOCs SVOCs

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46	Former old main cooling tower and recirculation lines	Metals Manganese Hexavalent chromium Boron Sulfates Carbonates Phosphates Chloride Sulfide Perchlorate Chlorate Ammonia
47	Leach Plant area Mn ore piles (current & historic)	Metals Manganese
48	Leach Plant analyte tanks	Manganese sulfate Manganese dioxide Sulfuric acid
49	Leach Plant area sulfuric acid storage tanks	Sulfuric acid Acid solutions
50	Leach Plant area leach lines	Metals
51	Leach Plant area transfer lines	Metals Acid solutions
52	AP Plant area Screening Building, Dryer Building, and associated sump	Metals Hexavalent chromium Perchlorate Chlorate Ammonia
53	AP Plant area Tank Farm	Metals Hexavalent chromium Perchlorate Chlorate Ammonia Caustics
54	AP Plant area Change House / laboratory spetic tank	Metals Perchlorate Ammonia Chlorate
55	Area affected by July 1990 fire	
56	AP Plant area old builing D-1 washdown	Perchlorate
57	AP Plant area transfer lines to sodium chlorate process	Metals Hexavalent chromium Iron Perchlorate Ammonia
58	AP Plant area New D-1 Building washdown	Perchlorate

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59	Storm sewer system	Metals Hexavalent chromium Magnesium Platinum Barium Zinc Nickel Lead Manganese Perchlorate Chlorate Ammonia Sodium Borate Sulfide Sulfuric acid
60	Acid drain system	Magnesium Hexavalent chromium Boron Barium Arsenic Cadmium Lead Selenium Sodium hydroxide Hydrochloric acid Sulfuric acid Boric acid Chlorides Phosphates Hexametaphosphates Sodium Sulfite ions Borate ions Borax Soda ash Pickle liquor (iron sulfate) Chlorides Perchlorate Ammonia Chlorate Sulfates
61	Unit 5 basement & old Sodium Chlorate Plant decommission	Metals Hexavalent chromium Boron Manganese Perchlorate Chlorate Ammonia

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62	State Industries, Inc site	Metals Iron Total chromium Barium Lead VOCs SVOCs Sulfuric acid (spent) Borax Soda ash Phosphate chemicals cyanide (spent)
63	J.B. Kelley Trucking Inc. site	Metals Barite Magnesium VOCs SVOCs Soda ash Lime Magnesium chloride brine Ferric chloride Hydrochloric acid Sodium hydrosulfide Sodium hydroxide Titanium tetrachloride
64	Koch Materials Company site	Metals VOCs SVOCs
65	Nevada precast concrete products, Green Ventures International, Buckles Construction Company, and Ebony Construction sites	Metals Barite Magnesium VOCs SVOCs Soda ash Lime Magnesium chloride brine Ferric chloride Hydrochloric acid Sodium hydrosulfide Sodium hydroxide Titanium tetrachloride
66	Above-ground diesel storage tank leased by Flintkote Company on Chemstar property	VOCs SVOCs
67	Delbert Madsen and estate of Delbert Madsen site	Not identified
68	Southern Nevada Auto Parts site	Not identified
69	Dillon Potter site	Not identified

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70	US Vanadium Leasehold	Metals Tungsten Alluminum Molybdenum Iron Boron Cobalt Ammonia Acids