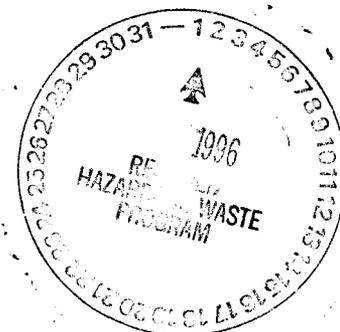


Department of Energy

Albuquerque Operations Office
Los Alamos Area Office
Los Alamos, New Mexico 87544

APR - 1 1996



Mr. Coby Muckelroy
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department
2044 Galisteo St., Bldg. A
P. O. Box 26110
Santa Fe, NM 87505

Dear Mr. Muckelroy:

Subject: Compliance Order 94-09 First Quarterly Report, 1996

Enclosed please find the DOE/LANL First Quarterly Report (1996) required by the Amended Stipulation regarding applicability and scope of, and time frames provided in Order Action No. 23 of Compliance Order NMHWA 94-09. We will continue our efforts to address all cylinders identified in the Amended Stipulation.

If you have any questions or wish to discuss the First Quarterly Report, please contact Sean French, LANL, at (505) 667-5953. Juan Corpion, LANL, can be reached at (505) 667-7579.

Sincerely,

Jon Mack
Waste Management Program Manager
Office of Environment and Projects

LAAMEP:7JM-288

Enclosure

cc w/enclosure:

J. Mack, AAMEP, LAAO
S. French, ESH-19/CST-5, LANL, MS-J593
J. Rochelle, LC/GL, LANL, MS-A187
P. Schumann, ESH-19, LANL, MS-K498
CST-5 Group Office Files, LANL, MS-J593

cc w/o enclosure:

A. Gancarz, CST-DO, LANL, MS-J515
T. Grieggs, ESH-19, LANL, MS-K498
S. Moore-Mayne, BEC, LANL, MS-J979
R. Murphy, CST-5, LANL, MS-J593
T. Sloan, CST-5, LANL, MS-J593



16671

Attachment 1

**First Quarterly Report - 1996
for Amended Stipulation**

FIRST QUARTERLY REPORT (1996) IN RESPONSE TO AMENDED STIPULATION

The following discussion, along with the attached tables, provides information required by the *Stipulation regarding Applicability and Scope of, and Timeframes Provided In, Ordered Action No. 23*, dated December 7, 1994, as amended by the Amended Stipulation, dated May 23, 1995, and executed by the New Mexico Environment Department, the U.S. Department of Energy (DOE), and the Regents of the University of California. Updated copies of applicable tables are included for review

Concerning Table 1 (Cylinders Shipped Offsite to Date):

During the first quarter of 1996, there have been no additional gas cylinders shipped offsite for treatment or disposal. However, during the first quarter, the contents of a single cylinder (907499) were released to the environment in accordance with Module II, Section K(2) of LANL's Hazardous Waste Permit. It was determined prior to release that this cylinder contained no radioactive constituents. Although this cylinder was not shipped offsite, it has been identified in Table 1 to indicate that it was addressed with respect to the Amended Stipulation.

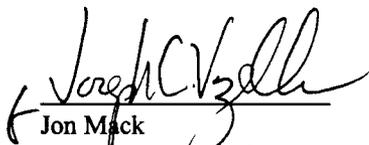
Concerning Table 4 (Gas Cylinders Requiring Further Radioactivity Characterization):

During the fourth quarter, a number of gas cylinders have undergone analysis to determine the extent of radioactive contamination. Based on radiological analyses, the five gas cylinders listed below have been classified as non-radioactive. Four of these cylinders (907496, 908066, 91001021, 91001023) have been removed from Table 4 and added to Table 2, *Cylinders Pending Shipment*. These cylinders will be shipped offsite at the earliest possible date. The final cylinder (907499) was released under emergency conditions as discussed above.

907496	91001021
907499 (released)	91001023
908066	

Concerning Table 5 (Problematic Cylinders): There remains one cylinder from Table 5 (Cylinder 91000616) to be shipped offsite.

Based on the information included in the First Quarterly Report, we conclude that 34 cylinders require further action under the Amended Stipulation; 13 of which are represented in Table 4, twenty of which are represented in Table 2, and the single cylinder represented in Table 5.


Jon Mack
U.S. Department of Energy
Los Alamos Area Office (LAAO)


Juan Corpion
Los Alamos National Laboratory
Group Leader, Chemical and Mixed Waste Management Group (CST-5)

**TABLE 1. GAS CYLINDERS IN NMED ORDER 94-02
CYLINDERS SHIPPED OFF-SITE TO DATE**

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS	DATE
1	900385		AIR,NO2,N2O,N(15)O2	P078	SHIPPED OFF-SITE	11/4/93
2	900386		AIR, TRACE ENRICHED NO	P078	SHIPPED OFF-SITE	11/4/93
3	900387		NO2,AIR,TRACE ENRICHED,NO2	P078	SHIPPED OFF-SITE	11/4/93
4	900786		NITROGEN DIOXIDE	P078	SHIPPED OFF-SITE	11/4/93
5	900787		AR,N2,N(15)O2,N(15)O(18)2	P078	SHIPPED OFF-SITE	11/4/93
6	900837		NO2,ENRICHED NO2	P078	SHIPPED OFF-SITE	11/4/93
7	90237800		NO,TRACE NO2,ENRICHED NO,TRACE CO2	P078	SHIPPED OFF-SITE	11/4/93
8	90237900		NO, ENRICHED NO, N2, TRACE NO2	P076	SHIPPED OFF-SITE	11/4/93
9	903140		AIR,NO2,N2O	P078	SHIPPED OFF-SITE	11/4/93
10	903171		NITROUS OXIDE	P078	SHIPPED OFF-SITE	11/4/93
11	909807		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
12	909812		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
13	909814		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
14	909823		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
15	909826		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
16	909829		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
17	909831		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
18	909833		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
19	909846		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
20	909847		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
21	909848		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
22	909849		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
23	909850		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
24	909851		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
25	909852		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
26	909853		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
27	909854		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
28	909855		NO, EMPTY	P078	SHIPPED OFF-SITE	11/4/93
29	91001411		CARBON MONOXIDE, CERTIFIED	D001	SHIPPED OFF-SITE	11/4/93
30	91001412		NITRIC OXIDE, CERTIFIED	P076	SHIPPED OFF-SITE	11/4/93
31	91001418		NFG MIXTURE, CERTIFIED, NO2, N2O	P076	SHIPPED OFF-SITE	11/4/93
32	91002055		HYDROGEN	D001	SHIPPED OFF-SITE	11/4/93
33	91002743		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
34	91002744		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
35	91002745		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
36	91002746		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
37	91002747		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
38	91002748		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
39	91002749		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
40	91002750		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
41	91002751		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
42	91002752		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
43	91002753		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
44	91002754		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
45	91002755		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
46	91002756		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
47	91002757		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
48	91002758		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
49	91002759		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
50	91002760		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
51	91002761		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
52	91002762		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
53	91002763		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
54	91002764		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93

TABLE 1 GAS CYLINDERS IN NMED ORDER 94-0
CYLINDERS SHIPPED OFF-SITE TO DATE

	CYLINDER	NEW CYL		HAZARD		
#	NUMBER	NUMBER	CONTENTS	CODE	CURRENT STATUS	DATE
55	91002765		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
56	91002766		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
57	91002767		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
58	91002768		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
59	91002769		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
60	91002770		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
61	91002771		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
62	91002772		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
63	91002773		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
64	91002774		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
65	91002775		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
66	91002776		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
67	91002777		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
68	91002778		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
69	91002779		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
70	91002780		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
71	91002781		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
72	91002782		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
73	91002783		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
74	91002784		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
75	91002785		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
76	91002786		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
77	91002787		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
78	91002788		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
79	91007408		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	11/4/93
80	91007412		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	11/4/93
81	91007413		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	11/4/93
82	91007414		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	11/4/93
83	91007574		S02	D003	SHIPPED OFF-SITE	11/4/93
84	91007681		NITROGEN DIOXIDE, CERTIFIED	P078	SHIPPED OFF-SITE	11/4/93
85	91007682		NITROGEN DIOXIDE, CERTIFIED	P078	SHIPPED OFF-SITE	11/4/93
86	91007683		NITROGEN DIOXIDE, CERTIFIED	P078	SHIPPED OFF-SITE	11/4/93
87	91007684		NITROGEN DIOXIDE, CERTIFIED	P078	SHIPPED OFF-SITE	11/4/93
88	91007685		NITROGEN DIOXIDE, CERTIFIED	P078	SHIPPED OFF-SITE	11/4/93
89	91007686		NITRIC OXIDE, CERTIFIED	P076	SHIPPED OFF-SITE	11/4/93
90	91007687		NITRIC OXIDE, CERTIFIED	P076	SHIPPED OFF-SITE	11/4/93
91	91007688		NITRIC OXIDE, CERTIFIED	P076	SHIPPED OFF-SITE	11/4/93
92	C91025603		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	11/4/93
93	C91025618		FREON-12 (DICHLORODIFLUOROMETHANE)	U075	SHIPPED OFF-SITE	11/4/93
94	C91025619		FREON-12 (DICHLORODIFLUOROMETHANE)	U075	SHIPPED OFF-SITE	11/4/93
95	C91025621		02,H2O,H2S	D002	SHIPPED OFF-SITE	11/4/93
96	C91025666		CARBONYL SULFIDE	D003	SHIPPED OFF-SITE	11/4/93
97	C92026920		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
98	C92026921		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	11/4/93
99	C92026925		HYDROGEN CHLORIDE	D002	SHIPPED OFF-SITE	11/4/93
100	C92026930		HYDROGEN CHLORIDE	D002	SHIPPED OFF-SITE	11/4/93
101	C92026941		HYDROGEN CHLORIDE	D002	SHIPPED OFF-SITE	11/4/93
102	C92026944		HYDROGEN CHLORIDE	D002	SHIPPED OFF-SITE	11/4/93
103	C92026975		NITRIC OXIDE	P076	SHIPPED OFF-SITE	11/4/93
104	C92026976		NITRIC OXIDE	P076	SHIPPED OFF-SITE	11/4/93
105	C92026978		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	11/4/93
106	C92029803		MONOMETHYL AMINE	D001	SHIPPED OFF-SITE	11/4/93
107	C92029835		AIR, TRACE H2S	D002	SHIPPED OFF-SITE	11/4/93
108	907436		HYDROGEN CHLORIDE	D002	SHIPPED OFF-SITE	12/22/93

TABLE 1 -- GAS CYLINDERS IN NMED ORDER 94-09
CYLINDERS SHIPPED OFF-SITE TO DATE

	CYLINDER	NEW CYL		HAZARD		
#	NUMBER	NUMBER	CONTENTS	CODE	CURRENT STATUS	DATE
109	907438		HYDROGEN CHLORIDE	D002	SHIPPED OFF-SITE	12/22/93
110	907439		HYDROGEN CHLORIDE	D002	SHIPPED OFF-SITE	12/22/93
111	907471		ARGON ,FLUORINE	D002	SHIPPED OFF-SITE	12/22/93
112	907544		HCL, HF	D002	SHIPPED OFF-SITE	12/22/93
113	907546		HCL, HF	D002	SHIPPED OFF-SITE	12/22/93
114	907866		HCL	D002	SHIPPED OFF-SITE	12/22/93
115	907867		HCL	D002	SHIPPED OFF-SITE	12/22/93
116	907868		HCL	D002	SHIPPED OFF-SITE	12/22/93
117	907870		HCL	D002	SHIPPED OFF-SITE	12/22/93
118	907871		HCL	D002	SHIPPED OFF-SITE	12/22/93
119	907873		HCL	D002	SHIPPED OFF-SITE	12/22/93
120	907875		HCL	D002	SHIPPED OFF-SITE	12/22/93
121	907877		HCL	D002	SHIPPED OFF-SITE	12/22/93
122	907878		HCL	D002	SHIPPED OFF-SITE	12/22/93
123	907882		HCL	D002	SHIPPED OFF-SITE	12/22/93
124	908799		NEON, HCL	D002	SHIPPED OFF-SITE	12/22/93
125	908896		AR, KR, F	D002	SHIPPED OFF-SITE	12/22/93
126	908975		NE, KR, HE, F	D002	SHIPPED OFF-SITE	12/22/93
127	909087		NE, KR, HE, F2	D002	SHIPPED OFF-SITE	12/22/93
128	909088		NE, KR, HE, F2, AR	D002	SHIPPED OFF-SITE	12/22/93
129	909091		NE, KR, HE, F2	D002	SHIPPED OFF-SITE	12/22/93
130	909092		KR, F2	D002	SHIPPED OFF-SITE	12/22/93
131	909122		AR, F2, TRACE SIF4	D002	SHIPPED OFF-SITE	12/22/93
132	909123		ARGON, F2	D002	SHIPPED OFF-SITE	12/22/93
133	909144		AR, F2	D002	SHIPPED OFF-SITE	12/22/93
134	909214		AR, TRACE HF, NE, HCL	D002	SHIPPED OFF-SITE	12/22/93
135	91001432		N2, AR, CL2, F2, TRACE: O2, BRCL, HBR	D002	SHIPPED OFF-SITE	12/22/93
136	91001433		AIR, NE, AR, F2, TRACE XE, HE	D002	SHIPPED OFF-SITE	12/22/93
137	91001435		AR, FLUORINE	D002	SHIPPED OFF-SITE	12/22/93
138	91001440		AR, HE, KR, F2	D002	SHIPPED OFF-SITE	12/22/93
139	91001442		AR, HE, F2, TRACE CL2, TRACE H2O	D002	SHIPPED OFF-SITE	12/22/93
140	91001444		HE, NE, AR, AIR, F2, HCL	D002	SHIPPED OFF-SITE	12/22/93
141	91001538		TRACE HE, NE, F2, XE, TRACE H2O	D002	SHIPPED OFF-SITE	12/22/93
142	91001540		ARGON, FLUORINE, CHLORINE	D002	SHIPPED OFF-SITE	12/22/93
143	91001541		AR, F2, HE, XE, NE	D002	SHIPPED OFF-SITE	12/22/93
144	91001542		HE, NE, XE, TRACE AR, TRACE F2	D002	SHIPPED OFF-SITE	12/22/93
145	91001570		N2, AR, CL2, F2, TRACE: BRCL, BR	D002	SHIPPED OFF-SITE	12/22/93
146	91001571		F2, NE, HE, XE, AR, (TRACE: CL2, HCL)	D002	SHIPPED OFF-SITE	12/22/93
147	91001767		HELIUM, F2	D002	SHIPPED OFF-SITE	12/22/93
148	91001830		HE, KR, F2, TRACE: AR, AIR, H2O	D002	SHIPPED OFF-SITE	12/22/93
149	91001831		NE, AR, AIR, KR, F2	D002	SHIPPED OFF-SITE	12/22/93
150	91001834		AIR, TRACE AR, F2	D002	SHIPPED OFF-SITE	12/22/93
151	91001835		HE, KR, AR, F2	D002	SHIPPED OFF-SITE	12/22/93
152	907886		HCL, AR	D002	SHIPPED OFF-SITE	1/27/94
153	908255		HCL, HF	D002	SHIPPED OFF-SITE	1/27/94
154	908256		HCL, HF	D002	SHIPPED OFF-SITE	1/27/94
155	908875		AR, F2	D002	SHIPPED OFF-SITE	1/27/94
156	908876		AR, TRACE F2	D002	SHIPPED OFF-SITE	1/27/94
157	908900		AR, F2	P056, D001	SHIPPED OFF-SITE	1/27/94
158	909073		AR, F2, KRYPTON	D002	SHIPPED OFF-SITE	1/27/94
159	909081		HE, KR, F2	D002	SHIPPED OFF-SITE	1/27/94
160	909086		NE, HE, KR, F2	PO56, D001	SHIPPED OFF-SITE	1/27/94
161	91001445		AR, CL2, F2	D002	SHIPPED OFF-SITE	1/27/94
162	91001838		AR, F2	D002	SHIPPED OFF-SITE	1/27/94

TABLE 1 -- GAS CYLINDERS IN NMED ORDER 94-09
CYLINDERS SHIPPED OFF-SITE TO DATE

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS	DATE
163	91002140		HF, (TRACE HCL, CL2, DF)	D002	SHIPPED OFF-SITE	1/27/94
164	91004627		201627 F2, AR, C02, 02, HF, TRACE: CL2, CF4	D002	SHIPPED OFF-SITE	1/27/94
165	91004628		TWH818888 F2, 02, AR, C02, N2, TRACE: CL2, C02	D002	SHIPPED OFF-SITE	1/27/94
166	91007108		TWH826394 HCL, ARGON	D002	SHIPPED OFF-SITE	1/27/94
167	91007142		TWH826389 HCL, AR, BCL3	D003	SHIPPED OFF-SITE	1/27/94
168	91007519		TWH826377 HCL, ARGON	D002	SHIPPED OFF-SITE	1/27/94
169	900060		ISOBUTANE	D001	SHIPPED OFF-SITE	3/18/94
170	901036		DIFLUOROETHANE, AIR	D001	SHIPPED OFF-SITE	3/18/94
171	904022		ISOBUTANE	D001	SHIPPED OFF-SITE	3/18/94
172	904306		ISOBUTANE	D001	SHIPPED OFF-SITE	3/18/94
173	907342		BUTADIENE, ARGON	D001	SHIPPED OFF-SITE	3/18/94
174	907343		BUTADIENE	D001	SHIPPED OFF-SITE	3/18/94
175	907356		1,1,1-CHLORODIFLUOROETHANE	D001	SHIPPED OFF-SITE	3/18/94
176	907357		DIFLUOROETHANE	D001	SHIPPED OFF-SITE	3/18/94
177	908087		METHYL BROMIDE	U029	SHIPPED OFF-SITE	3/18/94
178	908509		BUTADIENE	D001	SHIPPED OFF-SITE	3/18/94
179	91001341		PROPYLENE	D001	SHIPPED OFF-SITE	3/18/94
180	91001367		AIR, PROPYLENE, AR	D001	SHIPPED OFF-SITE	3/18/94
181	91001527		CO, TRACE H2O, AR, CO2	D001	SHIPPED OFF-SITE	3/18/94
182	91001549		AIR, CH4, AR	D001	SHIPPED OFF-SITE	3/18/94
183	91001583		PROPYLENE	D001	SHIPPED OFF-SITE	3/18/94
184	91001624		ETHANE	D001	SHIPPED OFF-SITE	3/18/94
185	91002014		ETHYLENE	D001	SHIPPED OFF-SITE	3/18/94
186	91002030		ETHANE	D001	SHIPPED OFF-SITE	3/18/94
187	91002032		METHANE	D001	SHIPPED OFF-SITE	3/18/94
188	91002034		ETHANE	D001	SHIPPED OFF-SITE	3/18/94
189	91002050		PROPANE	D001	SHIPPED OFF-SITE	3/18/94
190	91002051		METHYL CHLORIDE, N2, TRACE O2	U045	SHIPPED OFF-SITE	3/18/94
191	91002052		ETHYL CHLORIDE	D001	SHIPPED OFF-SITE	3/18/94
192	91000655		FLUORINE	P056	SHIPPED OFF-SITE	4/12/94
193	91000853		FLUORINE, CERTIFIED	P056	SHIPPED OFF-SITE	4/12/94
194	91000858		FLUORINE, CERTIFIED	P056	SHIPPED OFF-SITE	4/12/94
195	91000859		FLUORINE, CERTIFIED	P056	SHIPPED OFF-SITE	4/12/94
196	91000863		FLUORINE, CERTIFIED	P056	SHIPPED OFF-SITE	4/12/94
197	91000865		FLUORINE, CERTIFIED	P056	SHIPPED OFF-SITE	4/12/94
198	91000871		FLUORINE, EMPTY	P056	SHIPPED OFF-SITE	4/12/94
199	91000873		FLUORINE, EMPTY	P056	SHIPPED OFF-SITE	4/12/94
200	91000874		FLUORINE, EMPTY	P056	SHIPPED OFF-SITE	4/12/94
201	909925		ETHANE, XENON	D001	SHIPPED OFF-SITE	4/22/94
202	91000650		GENETRON-152A, DIFLUOROETHANE	D001	SHIPPED OFF-SITE	4/22/94
203	91003782		TWH543971 CH3CL	U045	SHIPPED OFF-SITE	4/22/94
204	91003784		AA12225 AR, C2H2, TRACE ACETONE, AIR, TRACE BUT	D001	SHIPPED OFF-SITE	4/22/94
205	91003786		AR, ISOBUTENE, ETHYL ACETYLENE	D001	SHIPPED OFF-SITE	4/22/94
206	91003788		AA10857 C3H8	D001	SHIPPED OFF-SITE	4/22/94
207	91003789		TWH818884 PROPANE	D001	SHIPPED OFF-SITE	4/22/94
208	91004001		AA4419 AR, C2H2, AIR, ACETONE	D001	SHIPPED OFF-SITE	4/22/94
209	91007149		TWH463441 CH3CHF2, ARGON	D001	SHIPPED OFF-SITE	4/22/94
210	90000003		PHOSGENE	P095	SHIPPED OFF-SITE	5/12/94
211	90000037		CARBONYL SULFIDE	D003	SHIPPED OFF-SITE	5/12/94
212	90000065		METHYL MERCAPTAN	U153	SHIPPED OFF-SITE	5/12/94
213	90000079		HCL	D002	SHIPPED OFF-SITE	5/12/94
214	90000110		HCL, TRACE HBR, AIR	D002	SHIPPED OFF-SITE	5/12/94
215	900110		NITRIC OXIDE, TRACE NITROUS OXIDE	P076	SHIPPED OFF-SITE	5/12/94
216	900111		NO, TRACE N2O	P078	SHIPPED OFF-SITE	5/12/94

**TABLE 1 GAS CYLINDERS IN NMED ORDER 94-
CYLINDERS SHIPPED OFF-SITE TO DATE**

	CYLINDER	NEW CYL		HAZARD		
#	NUMBER	NUMBER	CONTENTS	CODE	CURRENT STATUS	DATE
217	90011300		METHYL BROMIDE	U029	SHIPPED OFF-SITE	5/12/94
218	90240200		NO, TRACE NO2	P078	SHIPPED OFF-SITE	5/12/94
219	90240300		HYDROGEN, DEUTERIUM	D001	SHIPPED OFF-SITE	5/12/94
220	907397		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	5/12/94
221	907420		NO2, N2O, NO	P078	SHIPPED OFF-SITE	5/12/94
222	907421		NO2, N2O, NO	P078	SHIPPED OFF-SITE	5/12/94
223	907422		NO2, N2O, NO	P078	SHIPPED OFF-SITE	5/12/94
224	907423		NITRIC OXIDE	P076	SHIPPED OFF-SITE	5/12/94
225	907456		ARGON, FLUORINE	D002	SHIPPED OFF-SITE	5/12/94
226	907488		HELIUM, ARGON, CL2, HF, F2	D002	SHIPPED OFF-SITE	5/12/94
227	907493		H2, HF, HCL	D002	SHIPPED OFF-SITE	5/12/94
228	907549		HCL, HF, AR	D002	SHIPPED OFF-SITE	5/12/94
229	907644		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	5/12/94
230	907810		ARGON, HYDROGEN FLUORIDE	D002	SHIPPED OFF-SITE	5/12/94
231	907833		AR, H2S	D002	SHIPPED OFF-SITE	5/12/94
232	907864		HCL	D002	SHIPPED OFF-SITE	5/12/94
233	907869		HCL	D002	SHIPPED OFF-SITE	5/12/94
234	907876		HCL	D002	SHIPPED OFF-SITE	5/12/94
235	907879		HCL	D002	SHIPPED OFF-SITE	5/12/94
236	908003		CYANOGEN	P031	SHIPPED OFF-SITE	5/12/94
237	908004		CYANOGEN	P031	SHIPPED OFF-SITE	5/12/94
238	908050		HYDROCARBON IN AIR, CERTIFIED	D001	SHIPPED OFF-SITE	5/12/94
239	908770		NO	P078	SHIPPED OFF-SITE	5/12/94
240	908797		HE, HCL, NO	D002	SHIPPED OFF-SITE	5/12/94
241	908806		HYDROGEN CHLORIDE, TRACE HF	D002	SHIPPED OFF-SITE	5/12/94
242	908886		AR, F	D002	SHIPPED OFF-SITE	5/12/94
243	908893		AR, F	D002	SHIPPED OFF-SITE	5/12/94
244	908894		AR, F	D002	SHIPPED OFF-SITE	5/12/94
245	908972		AR, F	D002	SHIPPED OFF-SITE	5/12/94
246	908976		NE, KR, HE, F	D002	SHIPPED OFF-SITE	5/12/94
247	908977		NE, KR, HE, F2	D002	SHIPPED OFF-SITE	5/12/94
248	908979		AR, KR, F	D002	SHIPPED OFF-SITE	5/12/94
249	908983		AR, F	D002	SHIPPED OFF-SITE	5/12/94
250	909082		F2, AR, TRACE CL2, TRACE CH4, HF, CO2, O2	D002	SHIPPED OFF-SITE	5/12/94
251	909148		HE, F	D002	SHIPPED OFF-SITE	5/12/94
252	909168		HE, F2, AR, TRACE: CO2, O2, N2	D002	SHIPPED OFF-SITE	5/12/94
253	909210		NO, TRACE N2O	P078	SHIPPED OFF-SITE	5/12/94
254	909211		NO, (TRACE N2O)	P078	SHIPPED OFF-SITE	5/12/94
255	909217		H2, HF, HCL	D002	SHIPPED OFF-SITE	5/12/94
256	91001368		AIR, PROPYLENE	D001	SHIPPED OFF-SITE	5/12/94
257	91001371		SILANE	D001	SHIPPED OFF-SITE	5/12/94
258	91001379		CO2, O2, AR	D001	SHIPPED OFF-SITE	5/12/94
259	91001386		HYDROGEN	D001	SHIPPED OFF-SITE	5/12/94
260	91001394		CL2, HCL	D002	SHIPPED OFF-SITE	5/12/94
261	91001402		AMMONIA, (TRACE N2O, AR)	D002	SHIPPED OFF-SITE	5/12/94
262	91001429		CL2, BR2, HCL, BRCL, N2O, (TR, HF, AR)	D002	SHIPPED OFF-SITE	5/12/94
263	91001439		AR, F2, HCL, N2, TRACE CL2	D002	SHIPPED OFF-SITE	5/12/94
264	91001450		BORON TRICHLORIDE	D003	SHIPPED OFF-SITE	5/12/94
265	91001451		BORON TRICHLORIDE	D003	SHIPPED OFF-SITE	5/12/94
266	91001452		BORON TRICHLORIDE	D002, D003	SHIPPED OFF-SITE	5/12/94
267	91001454		BORON TRICHLORIDE	D003	SHIPPED OFF-SITE	5/12/94
268	91001465		BORON TRICHLORIDE	D003	SHIPPED OFF-SITE	5/12/94
269	91001466		BORON TRICHLORIDE	D003	SHIPPED OFF-SITE	5/12/94
270	91001467		BORON TRICHLORIDE	D003	SHIPPED OFF-SITE	5/12/94

TABLE 1 -- GAS CYLINDERS IN NMED ORDER 94-09
CYLINDERS SHIPPED OFF-SITE TO DATE

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS	DATE
271	91001468		BORON TRICHLORIDE	D003	SHIPPED OFF-SITE	5/12/94
272	91001469		BORON TRICHLORIDE	D003	SHIPPED OFF-SITE	5/12/94
273	91001472		BORON TRICHLORIDE AR	D003	SHIPPED OFF-SITE	5/12/94
274	91001479		BORON TRICHLORIDE	D003	SHIPPED OFF-SITE	5/12/94
275	91001491		BORON TRIFLUORIDE, CERTIFIED	D002	SHIPPED OFF-SITE	5/12/94
276	91001520		FREON 12 (DICHLORODIFLUOROMETHANE)	U075	SHIPPED OFF-SITE	5/12/94
277	91001543		HE, KR, TRACE H2O, F2	D002	SHIPPED OFF-SITE	5/12/94
278	91001558		SILANE	D001	SHIPPED OFF-SITE	5/12/94
279	91001560		SIH4, N2, (TRACE AR, H2)	D003	SHIPPED OFF-SITE	5/12/94
280	91001572		HE, H2O, AR, HCL, TRACE CL2, BR, BRCL, HF	D002	SHIPPED OFF-SITE	5/12/94
281	91001573		HCL, HF, (TRACE CL2, BR2, BRCL, HBR)	D002	SHIPPED OFF-SITE	5/12/94
282	91001768		F2, CL2, AR, N2, O2, CO2, TRACE CF4	D002	SHIPPED OFF-SITE	5/12/94
283	91001770		ARGON, TRACE F2	D002	SHIPPED OFF-SITE	5/12/94
284	91001825		CL2, O2, F2, TRACE CHLOROFLUOROCARBONS, HF	D002	SHIPPED OFF-SITE	5/12/94
285	91001832		HE, XE, AIR, H2O, TRACE AR, F2	D002	SHIPPED OFF-SITE	5/12/94
286	91001833		AIR, AR, TRACE CL2, F2	D002	SHIPPED OFF-SITE	5/12/94
287	91001844		HYDROGEN SULFIDE, CERTIFIED	U135	SHIPPED OFF-SITE	5/12/94
288	91001845		BORON TRICHLORIDE, CERTIFIED	D003	SHIPPED OFF-SITE	5/12/94
289	91001846		BORON TRICHLORIDE, CERTIFIED	D003	SHIPPED OFF-SITE	5/12/94
290	91001847		METHYL BROMIDE, CERTIFIED	U029	SHIPPED OFF-SITE	5/12/94
291	91001849		METHYL CHLORIDE, CERTIFIED	U045	SHIPPED OFF-SITE	5/12/94
292	91001851		BORON TRICHLORIDE, CERTIFIED	D003	SHIPPED OFF-SITE	5/12/94
293	91001856		NITROGEN DIOXIDE	P078	SHIPPED OFF-SITE	5/12/94
294	91001858		BORON TRICHLORIDE, CERTIFIED	D003	SHIPPED OFF-SITE	5/12/94
295	91001884		AR, F2, TRACE CL2	D002	SHIPPED OFF-SITE	5/12/94
296	91001962		N02, AR	P076	SHIPPED OFF-SITE	5/12/94
297	91001964		CARBONYL FLUORIDE, CARBON DIOXIDE	D003	SHIPPED OFF-SITE	5/12/94
298	91002021		N2O, NO2, NO	D001	SHIPPED OFF-SITE	5/12/94
299	91002023		OXYGEN	D003	SHIPPED OFF-SITE	5/12/94
300	91002026		O2, TRACE N2	D001	SHIPPED OFF-SITE	5/12/94
301	91002029		HYDROGEN	D001	SHIPPED OFF-SITE	5/12/94
302	91002123		PHOSPHINE	D001	SHIPPED OFF-SITE	5/12/94
303	91002157		PHOSGENE	P096	SHIPPED OFF-SITE	5/12/94
304	91002158		F2, CL2, N2, O2, AR, TRACE CO2	P095	SHIPPED OFF-SITE	5/12/94
305	91002160		HYDROGEN SULFIDE, (TRACE HCL)	D002	SHIPPED OFF-SITE	5/12/94
306	91002863		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	5/12/94
307	91003578		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	5/12/94
308	91004467		DICHLORODIFLUOROMETHANE, CERTIFIED	U135	SHIPPED OFF-SITE	5/12/94
309	91004468		DICHLORODIFLUOROMETHANE, CERTIFIED	U075	SHIPPED OFF-SITE	5/12/94
310	91004615		TWH818892 AR, KR, F2, AIR	U075	SHIPPED OFF-SITE	5/12/94
311	91007144		TWH826400 HCL, AR, TRACE HBR, SIF4	D002	SHIPPED OFF-SITE	5/12/94
312	C92027473		HYDROGEN CHLORIDE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
313	C92027474		HYDROGEN CHLORIDE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
314	C92027475		HYDROGEN CHLORIDE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
315	C92027476		FLUORINE	D002	SHIPPED OFF-SITE	5/12/94
316	C92027477		FLUORINE MIXTURE	P056	SHIPPED OFF-SITE	5/12/94
317	C92027478		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
318	C92027481		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
319	C92027482		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
320	C92027483		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
321	C92027484		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
322	C92027485		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
323	C92027486		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
324	C92027488		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94

**TABLE 1 GAS CYLINDERS IN NMED ORDER 94-
CYLINDERS SHIPPED OFF-SITE TO DATE**

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS	DATE
325	C92027489		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
326	C92027490		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
327	C92027491		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
328	C92027492		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
329	C92027493		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
330	C92027494		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
331	C92027495		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
332	C92027496		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
333	C92027497		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
334	C92027498		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
335	C92027499		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
336	C92027500		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
337	C92027501		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
338	C92027502		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
339	C92027503		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
340	C92027504		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
341	C92027505		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
342	C92027506		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
343	C92027507		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
344	C92027508		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
345	C92027509		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
346	C92027510		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
347	C92027511		FLUORINE MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
348	C92027512		HYDROGEN FLUORIDE	D002	SHIPPED OFF-SITE	5/12/94
349	C92027513		SULFUR HEXAFLUORIDE	U134	SHIPPED OFF-SITE	5/12/94
350	C92027846		F2,NE,KR	D002	SHIPPED OFF-SITE	5/12/94
351	C92027847		F2,NE,KR	D002	SHIPPED OFF-SITE	5/12/94
352	C92027848		F2,AR	D002	SHIPPED OFF-SITE	5/12/94
353	C92027849		F2,KR,HE	D002	SHIPPED OFF-SITE	5/12/94
354	C92027850		FLUORINE LASER MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
355	C92027851		F2,KR,NE	D002	SHIPPED OFF-SITE	5/12/94
356	C92027852		FLUORINE	D002	SHIPPED OFF-SITE	5/12/94
357	C92027854		F2 MIXTURE,AR	P056	SHIPPED OFF-SITE	5/12/94
358	C92027855		F2,KR,HE	D002	SHIPPED OFF-SITE	5/12/94
359	C92027856		F2 MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
360	C92027857		F2,HE	D002	SHIPPED OFF-SITE	5/12/94
361	C92027858		F2,NE	D002	SHIPPED OFF-SITE	5/12/94
362	C92027859		F2,KR,HE	D002	SHIPPED OFF-SITE	5/12/94
363	C92027860		F2 MIXTURE,AR	D002	SHIPPED OFF-SITE	5/12/94
364	C92027861		F2,KR,HE	D002	SHIPPED OFF-SITE	5/12/94
365	C92027862		F2 MIXTURE,AR	D002	SHIPPED OFF-SITE	5/12/94
366	C92027863		F2	D002	SHIPPED OFF-SITE	5/12/94
367	C92027864		F2,NE	P056	SHIPPED OFF-SITE	5/12/94
368	C92027865		F2 LASER MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
369	C92027866		F2 MIXTURE,AR	D002	SHIPPED OFF-SITE	5/12/94
370	C92027867		F2 MIXTURE,AR	D002	SHIPPED OFF-SITE	5/12/94
371	C92027868		F2	D002	SHIPPED OFF-SITE	5/12/94
372	C92027869		F2 LASER MIXTURE	P056	SHIPPED OFF-SITE	5/12/94
373	C92027870		F2 MIXTURE,ARGON	D002	SHIPPED OFF-SITE	5/12/94
374	C92027871		F2 MIXTURE,ARGON	D002	SHIPPED OFF-SITE	5/12/94
375	C92027872		F2 MIXTURE,AR	D002	SHIPPED OFF-SITE	5/12/94
376	C92027873		F2 LASER MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
377	C92027877		F2,N2	D002	SHIPPED OFF-SITE	5/12/94
378	C92027878		F2 MIXTURE	D002	SHIPPED OFF-SITE	5/12/94

TABLE 1 - GAS CYLINDERS IN NMED ORDER 94-09
CYLINDERS SHIPPED OFF-SITE TO DATE

	CYLINDER	NEW CYL		HAZARD		
#	NUMBER	NUMBER	CONTENTS	CODE	CURRENT STATUS	DATE
379	C92027880		F2 MIXTURE,AR	D002	SHIPPED OFF-SITE	5/12/94
380	C92027881		F2 MIXTURE,F2,HE	D002	SHIPPED OFF-SITE	5/12/94
381	C92027882		F2,HE	D002	SHIPPED OFF-SITE	5/12/94
382	C92027883		F2 MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
383	C92027884		F2,NE	D002	SHIPPED OFF-SITE	5/12/94
384	C92027885		F2 MIXTURE	D002	SHIPPED OFF-SITE	5/12/94
385	C92027886		F2,NE	D002	SHIPPED OFF-SITE	5/12/94
386	C92027887		XE,F2	D002	SHIPPED OFF-SITE	5/12/94
387	C92027889		F2 MIXTURE, ARGON	D002	SHIPPED OFF-SITE	5/12/94
388	C92027890		XE,CL2	D002	SHIPPED OFF-SITE	5/12/94
389	C92027891		HE,HCL	D002	SHIPPED OFF-SITE	5/12/94
390	C92027893		F2,N2	D002	SHIPPED OFF-SITE	5/12/94
391	C92029832		H2S	D002	SHIPPED OFF-SITE	5/12/94
392	907320		OXYGEN,TRACE:ARGON	U135	SHIPPED OFF-SITE	5/12/94
393	907501		H2,HF,(TRACE CH4,HCL,SIF4,AR)	D001	SHIPPED OFF-SITE	5/25/94
394	907503		H2,HF,AR,(TRACE CH4,HCL,SIF4)	D001	SHIPPED OFF-SITE	5/25/94
395	907687		PHOSPHINE	D002	SHIPPED OFF-SITE	5/25/94
396	907714		H2,CH4,HF,HCL,AR,SIF4	P096	SHIPPED OFF-SITE	5/25/94
397	908878		F2,TRACE CL2,CO2,O2,AR	D002	SHIPPED OFF-SITE	5/25/94
398	91000854		FLUORINE, CERTIFIED	P056	SHIPPED OFF-SITE	5/25/94
399	91000855		FLUORINE, CERTIFIED	P056	SHIPPED OFF-SITE	5/25/94
400	91000870		FLUORINE, CERTIFIED	P056	SHIPPED OFF-SITE	5/25/94
401	91001482		CHLORINE TRIFLUORIDE,CERTIFIED	P056	SHIPPED OFF-SITE	5/25/94
402	91001489		ARSENIC TRIFLUORIDE,CERTIFIED	D002	SHIPPED OFF-SITE	5/25/94
403	91001490		ARSENIC TRIFLUORIDE,CERTIFIED	D004	SHIPPED OFF-SITE	5/25/94
404	91001620		CO,(TRACE AR,O2)	D004	SHIPPED OFF-SITE	5/25/94
405	91001829		AR,HF(TRACE SIF4,F2)	D001	SHIPPED OFF-SITE	5/25/94
406	91004614		TU-H810752,KR,AR,F2	D002	SHIPPED OFF-SITE	5/25/94
407	91004617		TWH818889 F2,AR,HE	D002	SHIPPED OFF-SITE	5/25/94
408	91004618		ARGON, FLUORINE	D002	SHIPPED OFF-SITE	5/25/94
409	91004621		130722 AR,O2,CL2,HF,F2,N2,TRACE:SIF4,CF4	D002	SHIPPED OFF-SITE	5/25/94
410	91004622		R130708 AR,C02,HF,CL2,HCL,CF3CL	D002	SHIPPED OFF-SITE	5/25/94
411	91005185		H28826 HF,H2,N2	D002	SHIPPED OFF-SITE	5/25/94
412	91005187		AA7906 HF,AR,H2	D002	SHIPPED OFF-SITE	5/25/94
413	91005188		AA1414 HF,AR	D002	SHIPPED OFF-SITE	5/25/94
414	91007146		R130699 AR,HCL,TRACE:BCL3,BF3	D002	SHIPPED OFF-SITE	5/25/94
415	91007150		TWH826393 PHOSPHINE ARGON	D003	SHIPPED OFF-SITE	5/25/94
416	91007153		TWH826390 CH3CL3SI,AR,HCL	P096	SHIPPED OFF-SITE	5/25/94
417	91007525		TWH826407 H2,HCL,SIF4,AR	D002	SHIPPED OFF-SITE	5/25/94
418	91007526		TWH826372 H2,HCL,HF,AIR,AR,TRACE:SIF4,CO2	D002	SHIPPED OFF-SITE	5/25/94
419	908048		TETRAFLUROETHYLENE,CERTIFIED	D002	SHIPPED OFF-SITE	5/25/94
420	908051		TETRAFLUROETHYLENE,CERTIFIED	D001	SHIPPED OFF-SITE	5/26/94
421	908170		HYDROGEN (DEUTERIUM)	D001	SHIPPED OFF-SITE	5/26/94
422	91000652		DIFLUOROETHANE	D001	SHIPPED OFF-SITE	5/26/94
423	91000653		DIFLUOROETHANE	D001	SHIPPED OFF-SITE	5/26/94
424	91001013		HYDROGEN,CO2	D001	SHIPPED OFF-SITE	5/26/94
425	91001382		H2,DEUTERIUM,H2O,TRACE: AR,O2,N2	D001	SHIPPED OFF-SITE	5/26/94
426	91001403		TRIETHYLALUMINUM,CERTIFIED	D001	SHIPPED OFF-SITE	5/26/94
427	91001623		C2H6,H2,CH4,TRACE ARGON	D003	SHIPPED OFF-SITE	5/26/94
428	91005215		AA5119 AR,AIR,ACETYLENE,H2O,TRACE TETRAFLUO	D001	SHIPPED OFF-SITE	5/26/94
429	91007157		TWH826373 SILANE ARGON	D001	SHIPPED OFF-SITE	5/26/94
430	C92029792		ARGON, OXYGEN	D001	SHIPPED OFF-SITE	5/26/94
431	904611		HYDROGEN SULFIDE	D001	SHIPPED OFF-SITE	6/24/94
432	904612		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	6/28/94

**TABLE 1 GAS CYLINDERS IN NMED ORDER 94-
CYLINDERS SHIPPED OFF-SITE TO DATE**

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS	DATE
433	904613		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	6/28/94
434	907437		HYDROGEN CHLORIDE	U135	SHIPPED OFF-SITE	6/28/94
435	909077		AR,KR,F2	D002	SHIPPED OFF-SITE	6/28/94
436	909141		AR,F	D002	SHIPPED OFF-SITE	6/28/94
437	909927		PROPANE,CO2	D002	SHIPPED OFF-SITE	6/28/94
438	909936		CH4,CO2	D001	SHIPPED OFF-SITE	6/28/94
439	91001483		ARSENIC PENTAFLUORIDE,CERTIFIED	D001	SHIPPED OFF-SITE	6/28/94
440	91001484		ARSENIC PENTAFLUORIDE,CERTIFIED	D004	SHIPPED OFF-SITE	6/28/94
441	91001485		ARSENIC PENTAFLUORIDE,CERTIFIED	D004	SHIPPED OFF-SITE	6/28/94
442	91001486		ARSENIC PENTAFLUORIDE,CERTIFIED	D004	SHIPPED OFF-SITE	6/28/94
443	91001488		ARSENIC TRIFLUORIDE,CERTIFIED	D004	SHIPPED OFF-SITE	6/28/94
444	91001854		SELENIUM HEXAFLUORIDE,CERTIFIED	D004	SHIPPED OFF-SITE	6/28/94
445	91001855		SELENIUM HEXAFLUORIDE,CERTIFIED	D010	SHIPPED OFF-SITE	6/28/94
446	91001886		H2	D010	SHIPPED OFF-SITE	6/28/94
447	91002741		NITRIC OXIDE, EMPTY	D001	SHIPPED OFF-SITE	6/28/94
448	91002742		NITRIC OXIDE, EMPTY	P076	SHIPPED OFF-SITE	6/28/94
449	91002853		NITROGEN DIOXIDE	P076	SHIPPED OFF-SITE	6/28/94
450	91002860		H2SE,AIR,HCL,H2	D002	SHIPPED OFF-SITE	6/28/94
451	91003275		NITRIC OXIDE	P078	SHIPPED OFF-SITE	6/28/94
452	91005200		TWH543974 HELIUM,HCL	P076	SHIPPED OFF-SITE	6/28/94
453	91007742		FLUORINE NITRATE	D002	SHIPPED OFF-SITE	6/28/94
454	90000113		ISOBUTENE,N2	D001	SHIPPED OFF-SITE	6/28/94
455	C92030480	C94042847	HYDROCHLORIC ACID	D002	SHIPPED OFF-SITE	7/8/94
456	90000115		CYANOGEN	D001	SHIPPED OFF-SITE	7/18/94
457	907692		H2S,HF	P031	SHIPPED OFF-SITE	7/18/94
458	907713		H2,CH4,HF,HCL,AR,SIF4	D002	SHIPPED OFF-SITE	7/18/94
459	91001529		HCL,TRACE HBR	D002	SHIPPED OFF-SITE	7/18/94
460	91007518		TWH826396 BCL3,AR,HCL,TRACE BF3	D002	SHIPPED OFF-SITE	7/18/94
461	C92026924		HYDROGEN CHLORIDE	D003	SHIPPED OFF-SITE	7/18/94
462	91001022		SF4,SO2,F2,(TR, SF6)	D002	SHIPPED OFF-SITE	7/18/94
463	91001366		AIR,PROPYLENE	D002	SHIPPED OFF-SITE	8/19/94
464	91004003		AA6069 C2H6,TRACE AR	D001	SHIPPED OFF-SITE	8/26/94
465	91005198		TWH810755 CCL2F2	D001	SHIPPED OFF-SITE	8/26/94
466	91005213		TWH810754 CCL2F2,CH3CHF2	U075	SHIPPED OFF-SITE	8/26/94
467	91007523		A0219336 AR,HCL,TRACE:SIF4,S02,HBR,AIR	U075	SHIPPED OFF-SITE	8/26/94
468	900112		ETHYLENE	D002	SHIPPED OFF-SITE	8/26/94
469	907324		OXYGEN,TRACE:AR,CO2	D001	SHIPPED OFF-SITE	11/18/94
470	907354		HYDROGEN,TRACE SILANE	D001	SHIPPED OFF-SITE	11/18/94
471	907355		SILANE,TRACE ARGON	D001	SHIPPED OFF-SITE	11/18/94
472	907440		HYDROGEN CHLORIDE,NITRIC OXIDE	D001	SHIPPED OFF-SITE	11/18/94
473	907445		NO,N2O	D002	SHIPPED OFF-SITE	11/18/94
474	907548		HCL,HF,AR	P078	SHIPPED OFF-SITE	11/18/94
475	907673		DICHLORODIFLUOROMETHANE	D002	SHIPPED OFF-SITE	11/18/94
476	907831		AR,H2S	U075	SHIPPED OFF-SITE	11/18/94
477	908266		HCL,TRACE HF	D002	SHIPPED OFF-SITE	11/18/94
478	908267		H2S,HCL	D002	SHIPPED OFF-SITE	11/18/94
479	908825		HCL,AIR,TRACE HF	D002	SHIPPED OFF-SITE	11/18/94
480	909204		BF3,TRACE SIF4	D002	SHIPPED OFF-SITE	11/18/94
481	909205		BF3,TRACE SIF4	D002	SHIPPED OFF-SITE	11/18/94
482	909924		PROPANE,CO2	D002	SHIPPED OFF-SITE	11/18/94
483	91001528		CO,TRACE AR	D001	SHIPPED OFF-SITE	11/18/94
484	91001533		NO2,N2O,NO	D001	SHIPPED OFF-SITE	11/18/94
485	91001546		OXYGEN	P078	SHIPPED OFF-SITE	11/18/94
486	91003102		HYDROGEN CHLORIDE,TRACE ARGON	D001	SHIPPED OFF-SITE	11/18/94

TABLE 1 - GAS CYLINDERS IN NMED ORDER 94-03
CYLINDERS SHIPPED OFF-SITE TO DATE

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS	DATE
487	91005202		TWH810749 AR,HE,FLUORINE,AIR	D002	SHIPPED OFF-SITE	11/18/94
488	91005217		CP30135 H2S,H2,AR,AIR	D002	SHIPPED OFF-SITE	11/18/94
489	91007107		TWH826386 HCL,ARGON,TRACE HBR	D002	SHIPPED OFF-SITE	11/18/94
490	91007520		TWH826401 HCL,AR,TRACE SIFR, H	D002	SHIPPED OFF-SITE	11/18/94
491	C92030489	94042359	BORON TRIFLUORIDE	D002	SHIPPED OFF-SITE	11/18/94
492	C92030477	C94042382	NITROGEN DIOXIDE	P078	SHIPPED OFF-SITE	1/9/95
493	907472		MOF6, SIF4, HF, AR	D002	SHIPPED OFF-SITE	1/13/95
494	91001361		SULFUR TETRAFLUORIDE, SO2F2	D002	SHIPPED OFF-SITE	1/13/95
495	91002125		PF5, POF3, HF, (TRACE HCL, HBR)	D002	SHIPPED OFF-SITE	1/13/95
496	91002137		PF5, POF3, HF, (TRACE HCL, HBR)	D002	SHIPPED OFF-SITE	1/13/95
497	C92030472	94042394	NITORSYL CHLORIDE	D001	SHIPPED OFF-SITE	1/13/95
498	C92030478	94042400	PERCHLORYL FLUORIDE	D001	SHIPPED OFF-SITE	1/13/95
499	907346		HYDROGEN CHLORIDE	D002	SHIPPED OFF-SITE	1/27/95
500	907455		HF, CL2, CARBON TETRAFLUORIDE	D002	SHIPPED OFF-SITE	1/27/95
501	907540		HYDROGEN FLUORIDE	U134	SHIPPED OFF-SITE	1/27/95
502	908186		F2, CL2, (TRACE CLF, COF2, FLUORINATED ETH	D002	SHIPPED OFF-SITE	1/27/95
503	908236		F, TRACE HF	D001	SHIPPED OFF-SITE	1/27/95
504	908877		CF4, F2, (TRACE CL2, AR, COF2)	D002	SHIPPED OFF-SITE	1/27/95
505	909080		F2, CO2, TRACE O2, N2	D002	SHIPPED OFF-SITE	1/27/95
506	91001848		METHYL FLUORIDE, CERTIFIED	D001	SHIPPED OFF-SITE	1/27/95
507	91001850		METHYL FLUORIDE, CERTIFIED	D001	SHIPPED OFF-SITE	1/27/95
508	91004616		TWH1644034 HE, TRACE F2	D002	SHIPPED OFF-SITE	1/27/95
509	91005193		AA19575AR, TRACE AIR, F2	D002	SHIPPED OFF-SITE	1/27/95
510	91005206		TWH818887 CHCIF2, C2CIF5, CCL2F2	U075	SHIPPED OFF-SITE	1/27/95
511	91005214		R130795 CHLOROTRIFLUOROETHYLENE	D001	SHIPPED OFF-SITE	1/27/95
512	91006872		130798 ACETONE, AR	D001	SHIPPED OFF-SITE	1/27/95
513	91001385		H2, AR, HCL, H2O, TRACE N2	D001	SHIPPED OFF-SITE	3/13/95
514	91007155		TWH826392 AR, AIR, H2O, TRACE CH3BR	D001	SHIPPED OFF-SITE	3/13/95
515	C92030467	C94042368	NITROGEN TRIFLUORIDE	D001	SHIPPED OFF-SITE	3/13/95
516	C92030468	C94042370	NITROGEN TRIFLUORIDE	D001	SHIPPED OFF-SITE	3/13/95
517	C92030469	C94042371	NITROGEN TRIFLUORIDE	D001	SHIPPED OFF-SITE	3/13/95
518	C92030471	C94042372	NITROGEN TRIFLUORIDE	D001	SHIPPED OFF-SITE	3/13/95
519	C92030476	C94042295	NITROGEN DIOXIDE	P078	SHIPPED OFF-SITE	3/13/95
520	C91025625		HYDROGEN SULFIDE (STUCK VALVE)	U135	SHIPPED OFF-SITE	3/13/95
521	C91025667		DICHLORODIFLUOROMETHANE (STUCK CAP)	U075	SHIPPED OFF-SITE	3/13/95
522	907620		ARSINE, H2, AR	D004	SHIPPED OFF-SITE	3/14/95
523	90000004		ARSINE	D004	SHIPPED OFF-SITE	3/14/95
524	90000106		ARSINE, TRACE AIR	D004	SHIPPED OFF-SITE	3/14/95
525	90000116		PHOSGENE	P095	SHIPPED OFF-SITE	3/14/95
526	91001464		NICKEL CARBONYL, AR	D003	SHIPPED OFF-SITE	3/14/95
527	91001881		OXYGEN DIFLUORIDE	D001	SHIPPED OFF-SITE	3/14/95
528	91005183		TWH826405 PHOSGENE, ARGON	P095	SHIPPED OFF-SITE	3/14/95
529	C92030447	C94042396	NITROGEN TRIFLUORIDE	D001	SHIPPED OFF-SITE	3/14/95
530	C92030484	C94042300	TUNGSTEN HEXAFLUORIDE	D002	SHIPPED OFF-SITE	3/14/95
531	C92030485	C94042296	TUNGSTEN HEXAFLUORIDE	D002	SHIPPED OFF-SITE	3/14/95
532	C92030486	C94042297	TUNGSTEN HEXAFLUORIDE	D002	SHIPPED OFF-SITE	3/14/95
533	C92030488	C94042298	TUNGSTEN HEXAFLUORIDE	D002	SHIPPED OFF-SITE	3/14/95
534	907491		H2, (TRACE HF, HCL, SIF4)	D001	SHIPPED OFF-SITE	3/17/95
535	907811		H2, (TRACE CH4, HF, DIF4, HCL)	D001	SHIPPED OFF-SITE	3/17/95
536	91001424	C94042616	N2O4 POISON GAS, CERTIFIED (GCP 1489A)	D001	SHIPPED OFF-SITE	3/17/95
537	91001612		FE(CO)5, AR CO	D001	SHIPPED OFF-SITE	3/17/95
538	91005186		TWH826402 HF, AR, HCL, H2	D002	SHIPPED OFF-SITE	3/17/95
539	91005194		TWH 463448 CCL2F2	U075	SHIPPED OFF-SITE	3/17/95
540	C92030483	C94042377	TRISOBUTYL ALUMINUM	D003	SHIPPED OFF-SITE	3/17/95

**TABLE 1 GAS CYLINDERS IN NMED ORDER 94-
CYLINDERS SHIPPED OFF-SITE TO DATE**

	CYLINDER	NEW CYL		HAZARD		
#	NUMBER	NUMBER	CONTENTS	CODE	CURRENT STATUS	DATE
541	908224		ARSENIC PENTAFLUORIDE	D004	SHIPPED OFF-SITE	3/27/95
542	91001397		HYDROGEN SULFIDE	U135	SHIPPED OFF-SITE	3/30/95
543	91007528		TWH826381 PHOSGENE, ARGON	P095	SHIPPED OFF-SITE	4/3/95
544	C92030487	C94042660	TUNGSTEN HEXAFLUORIDE	D002	SHIPPED OFF-SITE	4/28/95
545	902533		AA3914 S02,C0S,CS2	D003	SHIPPED OFF-SITE	10/26/95
546	904305		TWH826380 HYDROGEN SULFIDE,AR	D002	SHIPPED OFF-SITE	10/26/95
547	907344		PROPYLENE	D001	SHIPPED OFF-SITE	10/26/95
548	907345		ISOBUTANE	D001	SHIPPED OFF-SITE	10/26/95
549	909929		CHLOROTRIFLUOROETHYLENE	D001	SHIPPED OFF-SITE	10/26/95
550	91001342		PHOSGENE	P095	SHIPPED OFF-SITE	10/26/95
551	91001343		C3H8,CO2	D001	SHIPPED OFF-SITE	10/26/95
552	91001536		PROPYLENE	D001	SHIPPED OFF-SITE	10/26/95
553	91005184		PROPYLENE	D001	SHIPPED OFF-SITE	10/26/95
554	91005212		ETHANE	D001	SHIPPED OFF-SITE	10/26/95
555	91007152		TWH826392 CCLF:CF2,AR	D001	SHIPPED OFF-SITE	10/26/95
556	907499		H2,AR,TRACE HF	D001	RELEASED UNDER EMERGENCY CONDITIONS	3/21/96

TABLE 2 -- GAS CYLINDERS IN NMED ORDER 94-09
CYLINDERS PENDING SHIPMENT

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS
1	907347		BUTADIENE	D001	SCHEDULED FOR SHIPMENT
2	907406		HELIUM,ARGON,FLUORINE,CL2	D002	SCHEDULED FOR SHIPMENT
3	907452		ARGON,F2	D002	SCHEDULED FOR SHIPMENT
4	907469		HELIUM,ARGON,FLUORINE	D002	SCHEDULED FOR SHIPMENT
5	907496		H2,TRACE CH4,SIF4,HF	D001	SCHEDULED FOR SHIPMENT
6	907550		BUTADIENE	D001	SCHEDULED FOR SHIPMENT
7	907799		ENRICHED NITRIC OXIDE,(TRACE CH4)	P076	SCHEDULED FOR SHIPMENT
8	907851		SILANE,TRACE ARGON	D001	SCHEDULED FOR SHIPMENT
9	907852		H2,ARSINE,AR	D004	SCHEDULED FOR SHIPMENT
10	908002		CHLOROTRIFLUOROETHYLENE	D001	SCHEDULED FOR SHIPMENT
11	908066		HYDROGEN FLUORIDE	U134	SCHEDULED FOR SHIPMENT
12	908088		CHLOROTRIFLUOROETHYLENE	D001	SCHEDULED FOR SHIPMENT
13	908246		PHOSGENE	P095	SCHEDULED FOR SHIPMENT
14	908251		VINYL CHLORIDE	D043	SCHEDULED FOR SHIPMENT
15	908879		FLUORINE,TRACE CO2, O2	P056	SCHEDULED FOR SHIPMENT
16	91001021		SULFUR TETRAFLUORIDE,SO2,F2	D002	SCHEDULED FOR SHIPMENT
17	91001023		SF4,SO2,F2,(TR, SF6)	D002	SCHEDULED FOR SHIPMENT
18	91001525		OXYGEN	D001	SCHEDULED FOR SHIPMENT
19	91001531		HYDROGEN CHLORIDE, (TRACE HBR)	D002	SCHEDULED FOR SHIPMENT
20	91007151		TWH818886 TRACE BUTADIENE POLYMERIZATION PR	D001	SCHEDULED FOR SHIPMENT

TABLE 3 -- GAS CYLINDERS IN NMED ORDER 94-09
CYLINDERS CONFIRMED TO BE RADIOACTIVE

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS
1	9000077		PROPYLENE	D001	RADIOACTIVE
2	90000108		H2S,N2,(TR, C6H13NO3)	D002	RADIOACTIVE
3	90248700		METHYL BROMIDE,AIR	D001	RADIOACTIVE
4	903170		DEUTERATED METHANE-13	D001	RADIOACTIVE
5	903173		NO2, N2O	D001/P078	RADIOACTIVE
6	904110		PROPANE	D001	RADIOACTIVE
7	907797		ACETYLENE WRAD	D001	RADIOACTIVE
8	908021		CHLORINE,ARGON	D002	RADIOACTIVE
9	908035		CHLORINE,AIR,(TRACE CO2)	D002	RADIOACTIVE
10	908265		CHLOROTRIFLUOROETHYLENE,ARGON	D001	RADIOACTIVE
11	909093		F2,AR,O2,TRACE:N2,HF,CL2,CO2,CH4	D002	RADIOACTIVE
12	909372		DICHLORODIFLUOROMETHANE	U075	RADIOACTIVE
13	909926		ETHYLENE	D001	RADIOACTIVE
14	91001392		CHLORINE,HCL,(TRACE FE,CL2,AIR)	D002	RADIOACTIVE
15	91001393		CL2,(TRACE AIR,CO2)	D002	RADIOACTIVE
16	91001395		CL2,HCL,(TRACE CO2,AIR)	D002	RADIOACTIVE
17	91001446		D2,TRITIUM,(TRACE F2)	D001	RADIOACTIVE
18	91001448		CL2,(TRACE HBR,H2O),HCL,AIR	D002	RADIOACTIVE
19	91001449		CL2,AIR,HCL	D002	RADIOACTIVE
20	91001475		HCL,(TRACE AIR,H2O)	D002	RADIOACTIVE
21	91001477		METHYL BROMIDE	U029	RADIOACTIVE
22	91001826		F2,(TRACE CHLORINE,HF)	D002	RADIOACTIVE
23	91001827		HCL,CL2,AR,HE,(TRACE BRCL)	D002	RADIOACTIVE
24	91001836		CL2,O2,F2,TRACE:CF4,HCL,CCL2F2	D002	RADIOACTIVE
25	91001837		AIR,(TRACE AR,F2)	D002	RADIOACTIVE
26	91002124		CL,BR,HF,CLF,BRCL	D002	RADIOACTIVE
27	91002847		HYDROGEN,ARGON MIXTURE	D001	RADIOACTIVE
28	91002848		HYDROGEN,ARGON MIXTURE	D001	RADIOACTIVE
29	91002849		HYDROGEN,ARGON MIXTURE	D001	RADIOACTIVE
30	91002850		OXYGEN	D001	RADIOACTIVE
31	91003173		HYDROGEN CHLORIDE,(TRACE HF)	D002	RADIOACTIVE
32	91004002		AA810748 ISOBUTYLENE	D001	RADIOACTIVE
33	91007148		AA3914 SO2, F2, (TR SF6)	D002	RADIOACTIVE
34	91007573		S02	D003	RADIOACTIVE
35	91007740		HYDROGEN (DEUTERIUM,TRITIUM)	D001	RADIOACTIVE
36	91007741		HYDROGEN (DEUTERIUM,TRITIUM)	D001	RADIOACTIVE
37	C92027888		F2 MIXTURE	D002	RADIOACTIVE
38	C93034682		HYDROGEN	D001	RADIOACTIVE

TABLE 4 -- GAS CYLINDERS IN NMED ORDER 94-09
GAS CYLINDERS REQUIRING FURTHER RADIOACTIVITY CHARACTERIZATION

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS
1	91007156		TWH826385 AR, TRACE:H2S,AIR	D002	CHEMOLUMINESCENCE EFFECT
2	907502		H2,HF,METHANE	D001	UNDERGOING RAD RE-EVALUATION
3	907505		H2,F2,HF,HCL,AR,(TRACE CH4,SIF4)	D002	UNDERGOING RAD RE-EVALUATION
4	907619		H2S,AIR,AR,CH3OH	D002	UNDERGOING RAD RE-EVALUATION
5	907621		SILANE,TRACE ARGON	D001	UNDERGOING RAD RE-EVALUATION
6	907807		HCL,H2,HF,SIF4	D002	UNDERGOING RAD RE-EVALUATION
7	908200		HF, MOF6, AR	D002	UNDERGOING RAD RE-EVALUATION
8	909132		AR,F	D002	UNDERGOING RAD RE-EVALUATION
9	909137		H2,AR,(TRACE CH4,HF)	D001	UNDERGOING RAD RE-EVALUATION
10	909155		HE,KR,F	D002	UNDERGOING RAD RE-EVALUATION
11	91004626		AR,HE,F2,HF	D002	UNDERGOING RAD RE-EVALUATION
12	91007147		R130789 AR,BCL3,HCL,TRACE BF3	D003	UNDERGOING RAD RE-EVALUATION
13	C92030490		BORON TRIFLUORIDE	D002	UNDERGOING RAD RE-EVALUATION

TABLE 5 -- GAS CYLINDERS IN NMED ORDER 94-09
PROBLEMMATIC CYLINDERS

#	CYLINDER NUMBER	NEW CYL NUMBER	CONTENTS	HAZARD CODE	CURRENT STATUS
1	906349	91000616	BF3 (REPACKED)	D002	NO COMMERCIAL TREATMENT CAPACITY
2	906365	91000616	BF3 (REPACKED)	D002	NO COMMERCIAL TREATMENT CAPACITY

A. Explanation of Data Qualifiers

Nine qualifiers are typically used when reporting analytical results to the USEPA. Three of the nine qualifier flags appear in this set of analytical data and are described below:

- U Indicates that the compound was analyzed for, but was not detected. The numerical value is the sample quantitation limit (corrected for dilution).
- J Indicates an estimated value, which is below the quantitation limit.
- B Indicates that the compound is detected in the associated method blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

B. Explanation of Ambient Blanks

Ambient blanks are used to indicate the potential levels of contamination that can be introduced into the analytical process from outside (ambient) sources. An ambient blank is a pure water sample that is exposed to the atmosphere in the area in which the volatile organic analysis is being performed, or in an area where samples are being stored. The duration of exposure can be variable depending on the information that is desired from these QC samples. Typically, an ambient blank is exposed to atmosphere for the period of time over which analyses are being performed.

Blanks

VOA

Action regarding unsuitable blank results depends on the circumstances and origin of the blank. Positive sample results should be reported and qualified "B", if the concentration of the compound in the sample is less than or equal to 10 times (10x) the amount in any blank for the common volatile laboratory contaminants (methylene chloride, acetone, and 2-butanone), or 5 times (5x) the amount for other volatile target compounds. In situations where more than one blank is associated with a given sample, qualification should be based upon a comparison with the blank having the highest concentration of a contaminant. The results must not be corrected by subtracting any blank value.

For qualification purposes, consider all blanks in a case associated with all samples.

Field blanks measure contamination introduced not only in the field but also from the laboratory. In general, evaluation of the impact on specific sample results is handled the same as with laboratory blanks. The reviewer should use caution in attributing contamination to the field as opposed to laboratory sources. However, when field-introduced contamination is suspected, it is helpful for the reviewer to consult the sampling group to identify possible sources and prevent future reoccurrences. Verified field sources of contamination should be noted in the data review narrative. If a field blank has the highest concentration of a contaminant, then all samples in the associated case are qualified "B", using the 5x and 10x rule. Other field blanks associated with the case are not qualified. Specific actions are as follows:

1. If a volatile compound is found in a blank but not found in the sample, no action is taken.
2. Any volatile compound detected in the sample (other than the common volatile laboratory contaminants), that was also detected in any associated blank, is qualified "B", when the sample concentration is less than five times (5x) the blank concentration. For common volatile laboratory contaminants, the results are qualified "B", when the sample concentration is less than 10 times (10x) the blank concentration.
3. The reviewer should note that blanks may not involve the same weights, volumes, or dilution factors as the associated samples. These factors must be taken into consideration when applying the "5x" and "10x" criteria, such that a comparison of the total amount of contamination is actually made.

Additionally, there may be instances where little or no contamination was present in the associated blanks, but qualification of the sample is deemed necessary. If the reviewer determines that the contamination is from a source other than the sample, he/she should qualify the data. Contamination introduced through dilution water is one example. Although it is not always possible to determine, instances of this occurring it can be detected when contaminants are found in the diluted sample result but are absent in the undiluted sample result. Since both results are not routinely reported, it may be impossible to verify this source of contamination.

Blanks

VOA

4. If gross contamination exists (i.e., saturated peaks by GC/MS), all affected compounds in the associated samples should be qualified as unusable "R" due to interference.
5. If inordinate numbers of other target compounds are found at low levels in the blank(s), it may be indicative of a problem and should be noted in the report narrative.
6. The same consideration given to the target compounds should also be given to Tentatively Identified Compounds (TICs), which are found in both the sample and associated blank(s). (See VOA Section XIII for TIC guidance.)
7. If an instrument blank was not analyzed following a sample analysis which contained an analyte(s) at high concentration(s), sample analysis results after the high concentration sample must be evaluated for carryover. Professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification(s). If instrument cross-contamination is suggested, then this should be noted for TPO action if the cross-contamination is suspected of having an effect on the sample results. Sample results which are possible artifacts of carry-over should be flagged as unusable "R".
8. When there is convincing evidence that contamination is restricted to a particular instrument, matrix, or concentration level, the 5x/10x rule will only be applied to compare contaminated blanks to certain associated samples (as opposed to all samples in the case). Some examples are as follows:

Column bleed (siloxanes) may be localized to a particular instrument.

Methanol extractions in the medium soil volatile analysis protocol can give rise to contaminants that are not seen in the low-level aqueous analyses.

Common laboratory contaminants, such as methylene chloride, are generally too unpredictable to safely assume contamination is restricted to a particular instrument, matrix, or concentration level.
9. For benzene and/or toluene, the reviewer may identify that the observed laboratory contamination is attributable to a specific, regular, and predictable process (such as trap bleed), which results in a constant 1 or 2 ppb instrument level concentration in all runs (both samples and blanks). In this situation, the reviewer may want to consider flagging certain results as tentatively identified, "N", as opposed to "B", if the sample instrument level is clearly greater than the consistent level of contamination detected in blanks and other samples. (This particular situation supercedes the 5x/10x rule.)

Blanks

VOA