Waste Description Information for Transuranic-Contaminated Wastes Stored at the Idaho National Engineering Laboratory

Appendix A- Detailed Information for Mixed and Non-Mixed Alpha Low-Level Waste

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Idaho National Engineering Laboratory

Appendix Summary

This appendix presents detailed information on the mixed and non-mixed transuranic contaminated low level wastes at the Idaho National Engineering Laboratory. The information is provided in a series of tables. Table 1 provides waste identification and description information. Table 2 provides waste storage information. Table 3 provides waste matrix information. Table 4 provides radionuclide contaminant information and Table 5 provides hazardous contaminant information. Additional information on the table format and field descriptions is provided in section 6 of the summary document.

This appendix also includes alpha activity concentration information and radionuclide isotopic composition information for the less than 100 nCi/g category (alpha low level) for the following waste streams presently classified as transuranic: ID-AEO-105T, content code 105; ID-AEO-107T, content code 107; ID-ANL-162T, content code 162; ID-BTO-040T, content code 40; ID-MDO-827T, content code 827; ID-RFO-312T, content code 312; ID-BTO-012TN, content code 12; and ID-BTO-081TN, content code 81.

The waste stream identifier codes previously used have recently been updated. Pages iii and iv provide a listing of waste stream codes included in this appendix as well as a cross reference to the previous waste stream codes.

Listing of waste streams included in Appendix A[a]

INEL key code	Waste stream code	Content Code	Previous waste stream code
Mixed waste			
155	ID-AEO-100	100	ID-EGG-134
156	ID-AEO-101	101	ID-EGG-134
297	ID-AEO-102	102	ID-EGG-288
206	ID-AEO-104	104	ID-EGG-144
308	ID-AEO-105T	105	ID-EGG-288T
310	ID-AEO-107T	107	ID-EGG-288T
300	ID-ANL-161	161	ID-EGG-288
314	ID-ANL-162T	162	ID-EGG-288T
158	ID-BCO-201	201	ID-EGG-134
301	ID-BCO-202	202	ID-EGG-288
302	ID-BCO-203	203	ID-EGG-288
303	ID-BCO-204	204	ID-EGG-288
72	ID-BTO-010	10	ID-EGG-114
142	ID-BTO-020	20	ID-EGG-132
34	ID-BTO-030	30	ID-EGG-102
213	ID-BTO-040T	40	ID-EGG-144T
299	ID-CPP-156	156	ID-EGG-288
188	ID-INL-150	150	ID-EGG-141
298	ID-INL-155	155	ID-EGG-288
146	ID-MDO-803	803	ID-EGG-132
160	ID-MDO-824	824	ID-EGG-134
77	ID-MDO-826	826	ID-EGG-114
89	ID-MDO-827T	827	ID-EGG-114T
58	ID-MDO-834	834	ID-EGG-112
59	ID-MDO-835	835	ID-EGG-112
60	ID-MDO-836	836	ID-EGG-112
304	ID-MDO-838	838	ID-EGG-288
191	ID-MDO-842	842	ID-EGG-141
305	ID-MDO-847	847	ID-EGG-288
306	ID-MDO-848	848	ID-EGG-288
29	ID-OFS-111	111	ID-EGG-102
157	ID-OFS-121	121	ID-EGG-134
293	ID-RFO-000	0	ID-EGG-287
28	ID-RFO-001	1	ID-EGG-102
31	ID-RFO-002	2	ID-EGG-102
235	ID-RFO-003	3	ID-EGG-158
57	ID-RFO-004	4	ID-EGG-112
223	ID-RFO-005	5	ID-EGG-146
35	ID-RFO-007	7	ID-EGG-102
192	ID-RFO-090	90	ID-EGG-141
55	ID-RFO-112	112	ID-EGG-112
30	ID-RFO-113	113	ID-EGG-102
56	ID-RFO-114	114	ID-EGG-112
73	ID-RFO-116	116	ID-EGG-114
141	ID-RFO-117	117	ID-EGG-132
120	ID-RFO-118	118	ID-EGG-119
102	ID-RFO-119	119	ID-EGG-118
93	ID-RFO-122	122	ID-EGG-115
129	ID-RFO-123	123	ID-EGG-120
159	ID-RFO-241	241	ID-EGG-134
32	ID-RFO-290	290	ID-EGG-102
33	ID-RFO-292	292	ID-EGG-102
171	ID-RFO-300	300	ID-EGG-137
172	ID-RFO-301	301	ID-EGG-137
51	ID-RFO-302	302	ID-EGG-109
178	ID-RFO-312T	312	ID-EGG-137T
143	ID-RFO-320	320	ID-EGG-132
104	ID-RFO-328	328	ID-EGG-118
74	ID-RFO-330	330	ID-EGG-114
105	ID-RFO-335	335	ID-EGG-118
75	ID-RFO-336	336	ID-EGG-114
76	ID-RFO-337	337	ID-EGG-114
106	ID-RFO-338	338	ID-EGG-118
130	ID-RFO-339	339	ID-EGG-120
107	ID-RFO-360	360	ID-EGG-118
94	ID-RFO-371	371	ID-EGG-115
190	ID-RFO-374	374	ID-EGG-141
95	ID-RFO-375	375	ID-EGG-115
108	ID-RFO-376	376	ID-EGG-118
217	ID-RFO-430	430	ID-EGG-145

INEL key code	Waste stream code	Content Code	Previous waste stream code
218	ID-RFO-431	431	ID-EGG-145
219	ID-RFO-432	432	ID-EGG-145
121	ID-RFO-440	440	ID-EGG-119
122	ID-RFO-441	441	ID-EGG-119
123	ID-RFO-442	442	ID-EGG-119
131	ID-RFO-463	463	ID-EGG-120
52	ID-RFO-464	464	ID-EGG-109
144	ID-RFO-480	480	ID-EGG-132
145	ID-RFO-481	481	ID-EGG-132
109	ID-RFO-490	490	ID-EGG-118
78	ID-RFO-900	900	ID-EGG-114
161	ID-RFO-950	950	ID-EGG-134
79	ID-RFO-970	970	ID-EGG-114
61	ID-RFO-976	976	ID-EGG-112
62	ID-RFO-978	978	ID-EGG-112
193	ID-RFO-990	990	ID-EGG-141
294	ID-RFO-9999	9999	ID-EGG-287
240	ID-TAN-162	*	ID-EGG-162
241	ID-TAN-163	*	ID-EGG-163
779	LB-W011	*	
774	LB-W012	*	
780	LB-W014	*	
781	LB-W017	*	
782	LB-W018	*	
783	LB-W019	*	
Non-mixed waste			
764	CH-ANL-RDA	*	
214	ID-BTO-012TN	12	ID-EGG-144TN
154	ID-BTO-081TN	81	ID-EGG-132TN
207	ID-INL-153N	153	ID-EGG-144
162	ID-MDO-825N	825	ID-EGG-134N
36	ID-RFO-095	95	ID-EGG-102N
173	ID-RFO-115N	115	ID-EGG-137N
174	ID-RFO-310N	310	ID-EGG-137N
175	ID-RFO-370N	370	ID-EGG-137N
189	ID-RFO-372N	372	ID-EGG-141
194	ID-RFO-425N	425	ID-EGG-141N
96	ID-RFO-960N	960	ID-EGG-115N
37	ID-RFO-995N	995	ID-EGG-102N
208	ID-TRA-154N	154	ID-EGG-144

a. Radiological information for activity less than 100 nCi/g is included for some transuranic labeled waste streams in Table 4.