4B100
BC000100909

RMRS Rocky Mountain Remediation Services, L.L.C.
. . . protecting the environment
Rocky Flats Environmental Technology Site
P.O. Box 464
Golden, Colorado 80402-0464
Phone: (303) 966-7000

CORRES. CONTROL
LTR. NO.
CLG-029-98

DIST.	LTR	ENC
ENSON, C. A.		
ARMEAN, C. H.		
RAWFORD, A. C.		
NDLEY, M. E.		
TZ, R. C.		
UINN, L. A.		
UGHES, F. P.	X	
AW, J. E.	X	
ILLS, S.		
VERLID, T. W.		
ATTERSON, J.	X	
UTTON, S. R.		
RICE, K.		
HEELER, M.		
OLF, KATHY		
IETERS, T.	X	
RINROSE, A.	X	
ARIS, S.	X	
OPKINS, T.	X	
NGER, S.	X	
MRS RECORDS	X	
OMIN RECORD	X	
F CORR CNTRL		
RAFFIC		

CLASSIFICATION:
CNI
NCLASSIFIED X
ONFIDENTIAL
ECRET

UTHORIZED CLASSIFIER SIGNATURE:

ate:

REPLY TO RFP CC NO.

ACTION ITEM STATUS:
_ OPEN __ CLOSED
__ PARTIAL

LTR APPROVALS:

RIG. & TYPIST INITIALS:
CLG:rcg
-46459(Rev.10/97)

September 28, 1998

Kent A. Dorr
Building 130
Kaiser-Hill
P. O. Box 464
Golden, CO 80402-0464

Subject: ENVIRONMENTAL RANKING OF THE BUILDING 123 – CLG-029-98

The purpose of this letter is to inform you that the Environmental Restoration (ER) ranking of the Building 123 site has been completed. Included with this letter is a copy of the ER ranking spreadsheet. A copy of the final pre-remedial investigation report (Data Summary Report) was provided to you on September 25, 1998.

This completes the September 30, 1998 RFCA milestone requirements.

If you have any questions or need additional information feel free to contact me.

Sincerely,

Vern Guthrie
Project Manager
Construction Projects

rcg

Attachment:
As Stated

SEP 1998
RECEIVED
RECORDS CENTER

ADMIN RECORD
IA- B123-A-00101

ER Ranking

Rev. 9/98

Total Surface Soil	Total Chemical Score	ALF Score	SW Impact Score Multiplier	Potential for Further Release Multiplier	Professional Judgement Multiplier	Total Priority Score	Exceeds Tier I AL	General Comments
<1	33681	10	2	3	1	60	yes	Source removed
<1	27713	10	2	3	1	60	yes	Source removed
n	26179	10	2	3	1	60	yes	Source removed
<1	11091	9	1	3	2	54	yes	FY98 - source removed, treatment and trench fill in FY99.
1	19071	9	3	2	1	54	yes	Source of Mound Plume, removed
108	42983	10	2	2	1	40	yes	Characterization in FY98/FY99. remediation planned for FY2001.
	26105	10	3	1	1	30	yes	Impact on surface water in the S. Walnut Creek drainage
2	50003521	10	1.5	2	1	30	yes	Tank 10 source removed. Carbon Tet Plume Source
	19067	9	3	1	1	27	yes	Groundwater collection and treatment system in place
<1	3570	7	1	3	1	21	yes	Source removed, tank foamed and stabilized
n	1453	7	1	3	1	21	yes	Source removed, tank foamed and stabilized
29	1050	7	1	3	1	21	yes	Tank foamed and stabilized, PAHs in surface soil and groundwater
n	1000	6	1	3	1	18	yes	Source removed, tank foamed and stabilized
14	2417	7	2	1	1	14	yes	HHRA 10-4 to 10-6, groundwater from 118.1 not used in ranking
	2403	7	2	1	1	14	yes	Plume due to NO_3, impacts surface water in N. Walnut Creek
	73365	10	1	1	1	10	yes	No impact to surface water in the Woman Creek drainage
n	50000000	10	1	1	1	10	yes	IHSS 118.1 is suspected source/DNAPL present
n	9167	8	1	1	1	8	yes	No impact on surface water in the Woman Creek drainage
n	2615	7	1	1	1	7	yes	No known impact on surface water
4110	4125	7	1	2	0.5	7	yes	New 1995 data-PAHs in surface soil
	553	6	1	1	1	6	no	Source not present
1	579	6	1	1	1	6	yes	Paved
1	419	5	1	1	1	5	no	Paved
	257	5	1	1	1	5	no	Source may be due to UBC at B881
n	264	5	1	1	1	5	yes	No pathway known
31	446	5	2	1	0.5	5	no	Compliance, presumptive remedy for closure
	415	5	2	1	0.5	5	no	
18	18	1	2	1	2	4		Process knowledge of probable influent liquids
<1	128	4	1	1	1	4	yes	Score includes newly discovered sample data
14	229	4	2	1	0.5	4	yes	HHRA, less than 10-6, metals
2	2	1	1	3	1	3	no	Tank foamed and stabilized, tank not breached
<1	<1	1	1	3	1	3		
<1	96	3	1	1	1	3	no	Organics in groundwater
64	64	2	1	1	1	2	no	Contamination due to B779
59	59	2	1	1	1	2	no	PAHs in surface soil
3	49	2	1	1	1	2	no	
26	26	2	1	1	1	2	no	
4	4	1	1	2	1	2	no	
2	46	2	1	1	1	2	no	HHRA, 10E-4 to 10-6
<1	46	2	1	1	1	2	no	HHRA, 10E-4 to 10-6
<1	46	2	1	1	1	2	no	HHRA, 10E-4 to 10-6
<1	44	2	1	1	1	2	no	HHRA, 10E-4 to 10-6
	174	4	1	1	0.5	2	no	HHRA, 10E-4 to 10-6 Action required due to physical hazard
27	199	4	1	1	0.5	2	no	HHRA, 10E-4 to 10-6
<1	12	1	1	1	1	1	no	Evaluate using approved NA/NFA process
1	14	1	1	1	1	1	no	Building removed to the slab in FY98
20	20	1	1	1	1	1	no	Contamination probably from 400 Complex
16	16	1	1	1	1	1	no	
13	13	1	1	1	1	1	no	
5	10	1	1	1	1	1	no	
5	7	1	1	1	1	1	no	PCB hit above AL, listed under PCB 9.
6	6	1	1	1	1	1	no	

n = data not available

ER Ranking

Rev. 9/98

Total Surface Soil	Total Chemical Score	ALF Score	SW Impact Score Multiplier	Potential for Further Release Multiplier	Professional Judgement Multiplier	Total Priority Score	Exceeds Tier I AL	General Comments
4	4	1	1	1	1	1	no	
4	4	1	1	1	1	1	no	
2	2	1	1	1	1	1	no	
n	6	1	1	1	1	1	no	Investigation done for B440 expansion
2	2	1	1	1	1	1	no	PCB hit above AL
<1	44	2	1	1	0.5	1	no	HHRA, 10E-4 to 10-6
3	32	2	1	1	0.5	1	no	CAD/ROD amendment pending
19	19	1	1	1	0.5	0.5	no	PAHs in surface soil
19	19	1	1	1	0.5	0.5	no	PAHs in surface soil
1	1	1	1	1	0.5	0.5	no	
n	<1	0	1	1	1	0	no	Remediate with Mound Site, in PA fence
<1	<1	0	1	1	1	0	no	
<1	<1	0	1	1	1	0	no	
<1	<1	0	1	1	1	0	no	
<1	<1	0	1	1	1	0	no	
n	<1	0	1	1	1	0	no	
<1	<1	0	1	1	1	0	no	
<1	<1	0	1	1	1	0	no	
<1	<1	0	1	1	1	0	no	
<1	<1	0	1	1	1	0	no	
<1	<1	0	1	1	1	0	no	
tbd	<1	0	1	1	1	0	no	
n	0	0	1	1	1	0	no	
<1	0	0	1	1	1	0	no	Evaluate using approved NA/NFA process
n	0	0	1	1	1	0		Evaluate using approved NA/NFA process
n	0	0	1	1	1	0		Evaluate using approved NA/NFA process
n	0	0	1	1	1	0		Evaluate using approved NA/NFA process
n	0	0	1	1	1	0		Evaluate using approved NA/NFA process
n	0	0	1	1	1	0		Evaluate using approved NA/NFA process
n	0	0	1	1	1	0		Evaluate using approved NA/NFA process
n	0	0	1	1	1	0		Evaluate using approved NA/NFA process
<1	0	0	1	1	1	0		Evaluate using approved NA/NFA process
n	0	0	1	1	1	0		Evaluate using approved NA/NFA process
<1	0	0	1	1	1	0	no	Evaluate using approved NA/NFA process
<1	0	0	1	1	1	0		Evaluate using approved NA/NFA process
<1	0	0	1	1	1	0		Evaluate using approved NA/NFA process
<1	0	0	1	1	1	0		Evaluate using approved NA/NFA process
<1	0	0	1	1	1	0		Evaluate using approved NA/NFA process
n	0	0	1	1	1	0		Evaluate using approved NA/NFA process
<1	0	0	1	1	1	0		Evaluate by NA/NFA process/tie B335 D&D
<1	0	0	1	1	1	0		Evaluate by NA/NFA process/tie B335 D&D
<1	0	0	1	1	1	0		Evaluate with NA/NFA/PCB Hot Spot only
<1	0	0	1	1	0.5	0		Removed during PA construction, verify only
<1	134	4	1	2	2	16	no	Empirical data indicates free product present
<1	156	4	1	1	2	8		Known contaminant plume
<1	0	1	1	1	2	2		Many known spills
n	1013	7	1	1	2	14	yes	IHSS 121 includes the following italicized IHSSs
								Not characterized, probably highly contaminated
								Not characterized, probably highly contaminated
								Not characterized, probably highly contaminated
								Not characterized, probably highly contaminated

n = data not available

ER Ranking

Rev.

ank nts	Total Ground Water	Total Subsurface Soil	Total Surface Soil	Total Chemical Score	ALF Score	SW Impact Score Multiplier	Potential for Further Release Multiplier	Professional Judgement Multiplier	Total Priority Score	Exceeds Tier I AL	General Comments
	1013	n	n	1013	7	1	1	2	14	yes	IHSS 121 includes the following italicized IHSSs
											Not characterized, probably highly contaminated
	n	n	n	0	0	1	1	2	0		Not characterized, probably highly contaminated
	n	n	<1	0	0	1	1	1	0		Tanks removed, 1971 rad. data exceeded Tier I levels
	n	n	<1	0	0	1	1	1	0		Paved, old data exists
	n	n	<1	0	0	1	1	2	0		Paved, old data exists
	651	n	<1	651	6	1	1	2	0		Suspected source-known buried material-PU&D yard
	<1	n	<1	0	0	1	1	1	6	yes	Waste staging area-lack of data
	n	n	<1	0	0	1	1	1	0		Source
	n	n	<1	0	0	1	1	1	0		Tied to Building 335 D&D Project
	n	n	n	0	0	1	1	1	0		Rad Screens only
	n	n	<1	0	0	1	1	1	0		HPGe Survey
	n	n	<1	0	0	1	1	1	0		Active Storage Unit, not sampled
	n	n	<1	0	0	1	1	1	0		
	n	n	<1	0	0	1	1	1	0		
	n	n	<1	0	0	1	1	1	0		
	n	n	<1	0	0	1	1	0.5	0		Spills cleaned up at time
	n	n	<1	0	0	1	1	0.5	0		Spills cleaned up at time
	n	n	<1	0	0	1	1	0.5	0		Unconfirmed-no location found
	n	3	n	3	1	1	1	0.5	0.5		Spills cleaned up at time
	2	n	<1	2	1	1	1	0.5	0.5	no	Evaluated using approved NA/NFA process
	n	n	12	12	1	1	1	0.5	0.5	no	Investigation in FY98 determined no source above Tier I pres
	n	n	<1	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n	n	<1	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n	n	<1	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n	n	<1	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n	n	<1	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n	n	<1	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n	n	<1	0	0	1	1	1	0	no	No source found
	n	n	n	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n	n	<1	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n*	n	<1	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n*	n	<1	0	0	1	1	1	0		Evaluated using approved NA/NFA process
	n	<1	<1	0	0	1	1	1	0		PPRG ratio less than 1, *2 downgradient wells
	n	<1	<1	0	0	1	1	0.5	0		PPRG ratio less than 1, *2 downgradient wells
	<1	n	<1	0	0	2	1	0.5	0		HHRA, 10E-4 to 10-6
	n	<1	<1	0	0	1	1	0.5	0		HHRA, 10E-4 to 10-6
	n	<1	<1	0	0	1	1	0.5	0		HHRA, less than 10-6
	n	<1	<1	0	0	1	1	0.5	0		HHRA, 10E-4 to 10-6 w/pond data
	<1	<1	<1	0	0	1	1	0.5	0		HHRA, less than 10-6 Includes pond & sediments
	n	<1	<1	0	0	1	1	0.5	0		HHRA, less than 10-6 Includes pond & sediments
	n	<1	<1	0	0	1	1	0.5	0		Passed CDPHE screen
	<1	<1	<1	0	0	1	1	0.5	0		HHRA, 10E-4 to 10-6 w/pond data
	n	<1	<1	0	0	1	1	0.5	0		HHRA, 10E-4 to 10-6 w/pond data
	n	<1	<1	0	0	1	1	1	0		Passed CDPHE screen w/ pond and sediment data
	n	<1	<1	0	0	1	1	1	0		HHRA, 10E-4 to 10-6 w/pond & sediment data
	n	<1	<1	0	0	1	1	1	0		HHRA, 10E-4 to 10-6 w/pond & sediment data
	n	<1	<1	0	0	1	1	1	0		HHRA, 10E-4 to 10-6 w/pond & sediment data

n = data not ava

ER Ranking

Rev. 9/98

Total Surface Soil	Total Chemical Score	ALF Score	SW Impact Score Multiplier	Potential for Further Release Multiplier	Professional Judgement Multiplier	Total Priority Score	Exceeds Tier I AL	General Comments
<1	0	0	1	1	1	0		Passed CDPHE screen w/ pond and sediment data
n	0	0	1	1	1	0		Evaluated using approved NA/NFA process
<1	0	0	1	1	1	0		HHRA, less than 10-6
n	0	0	1	1	0.5	0		Passed CDPHE screen
n	0	0	1	1	0.5	0		Passed CDPHE screen
n	0	0	1	1	0.5	0		Passed CDPHE screen
<1	0	0	1	1	0.5	0		HHRA, less than 10-6
<1	0	0	1	1	0.5	0		HHRA, 10E-4 to 10-6
<1	0	0	1	1	0.5	0		Focused HHRA, 10E-4 to 10-6
n	0	0	1	1	0.5	0		Evaluated using approved NA/NFA process
n	0	0	1	1	0.5	0		Evaluated using approved NA/NFA process
n	0	0	1	1	0.5	0		Evaluated using approved NA/NFA process
<1	0	0	1	1	0.5	0		Evaluated using approved NA/NFA process
<1	0	0	1	1	0.5	0		Passed CDPHE screen
<1	0	0	1	1	0.5	0		Passed CDPHE screen
<1	0	0	1	1	0.5	0		Passed CDPHE screen
<1	<1	0	2	1	0.5	0		HHRA, less than 10-6
<1	<1	0	2	1	0.5	0		HHRA, less than 10-6
<1	10	4	2	1	0.5	4	yes	HHRA, less than 10-6
<1	0	0	2	1	0.5	0		HHRA, less than 10-6
<1	0	0	2	1	0.5	0		HHRA, less than 10-6
<1	0	0	2	1	0.5	0		HHRA, less than 10-6
<1	0	0	2	1	0.5	0		HHRA, less than 10-6
<1	9	1	2	1	0.5	1	no	HHRA, less than 10-6
<1	34	2	2	1	0.5	2	yes	HHRA, less than 10-6
<1	0	0	2	1	0.5	0		HHRA, less than 10-6
<1	0	0	1	1	0.5	0		HHRA, 10E-4 to 10-6 No groundwater issues
<1	0	0	1	1	0.5	0		HHRA, 10E-4 to 10-6, plus sediment samples
<1	0	0	1	1	0.5	0		Passed CDPHE screen
<1	190	4	1	1	0.5	2	no	Passed CDPHE screen-CAD/ROD complete
n	0	0	1	1	0.5	0		No source found-CAD/ROD complete
n	0	0	1	1	0.5	0		RCRA Clean Closure CAD/ROD complete
n	0	0	1	1	0.5	0		RCRA Clean Closure CAD/ROD complete
n	0	0	1	1	0.5	0		RCRA Clean Closure CAD/ROD complete
n	0	0	1	1	0.5	0		No source found-CAD/ROD Complete
n	0	0	1	1	0.5	0		No source found-CAD/ROD Complete
n	3	1	1	1	0.5	0.5	no	No source found-CAD/ROD Complete
n	0	0	1	1	0.5	0		Evaluated using approved NA/NFA process
n	0	0	1	1	0.5	0		No source found-CAD/ROD Complete
n	0	0	1	1	0.5	0		No source found-CAD/ROD Complete
								No source found-CAD/ROD Complete

n = data not available