Environmental
Resources
Management

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24 July 2003

Mr. Daniel Eaton
Engineering Geologist II
NYSDEC Albany
625 Broadway
11th Floor
Albany, NY 12233-5400

RE: Proposed Remedial Action Plan
Former Banknote Facility
10 Dunnigan Road
ERM Project No.: 58803.00

Dear Mr. Eaton:

In this letter report, Environmental Resource Management, Inc. (ERM) presents the results of recent soil sampling and, as requested, a proposed remedial action plan of the Former Banknote Facility in Suffern (site), New York. ERM collected additional soil samples for total chromium and hexavalent chromium analyses at the site (Figure 1) on 30 May 2003. Based on the results of the additional sampling and data compiled from previous investigations (Figures 2, 3 and 4), ERM proposes a remedial action through excavation or capping of soils with concentrations of chromium greater than 50 mg/kg.

Two environmental media were evaluated at the Site: soil and ground water. Based on previous communications with the NYSDEC, ERM has identified chromium and hexavalent chromium in soil and ground water as the chemicals of potential concern at the site.

Approximately 108 soil samples have been collected at the Site for total chromium and or hexavalent chromium analysis. The samples have been collected from the surface and subsurface throughout the site, but primarily focused in the area of the Chromium Room on the West Side of the building. The Standards Criteria and Guidance (SCGs) for soil at the Site are the generic and site specific New York State Department of Environmental Conservation (NYSDEC) Remedial Site Cleanup Objectives (RSCOs) from NYSDEC Technical and Administrative Guidance Memorandum Number 4046 (TAGM-4046; NYSDEC, 1995) and

through background sampling.

Tables 1 through 8 present a summary of the all chromium data at the site and compares the detected concentration of chromium in Site soils to TAGM#4046.

ERM evaluated potential exposure pathways at the site. The Site consists of one industrial/commercial building located in a mixed industrial/commercial and residential area. The building is surrounded by paved parking areas, Dunnigan Road, industrial buildings and commercial buildings, a residential housing building is located to the south, and a limited access highway to the north. Currently the western side of the building vacant. The eastern side of the building is used for warehouse activity. The majority of the Site is fenced to restrict access. There are two main gates one on the east and one on the west with access from Dunnigan Road. Surface water bodies at or in the immediate vicinity of the Site were not observed. Therefore, there are no surface water bodies to which Site ground water is expected to discharge.

As typical for this type of area and for areas of former industrial activity, there are three potential exposure pathways at the site: 1) inhalation of constituents (chromium); 2) ingestion; and, 3) dermal contact. Potential exposure pathways are described below.

Inhalation: Chromium is a non-volatile metal. The mechanism for chromium inhalation is airborne in solid form or adsorbed on dust particles. The inhalation pathway can be removed through control mechanisms. The inhalation pathway on the exterior of the building is greatly diminished by the location of the compound of concern (chromium) being primarily present in the subsurface. The inhalation pathway on the interior of the building is greatly limited by the presence of a concrete slab over the soil containing chromium. This pathway can be eliminated through the removal of areas of soil with high concentrations and capping.

Ingestion: All available information indicates there are currently no complete exposure pathways for ingestion of ground water and with the removal of the areas of high concentration in soil and capping, there will be no exposure pathway through soil. Human contact is limited to direct exposure to affected soil during soil disturbance activity such as excavation or trenching. This exposure pathway can be eliminated through the removal of concentrations greater than 50 mg/kg from the ground surface to

the depth of ground water in the affected area and activity use limitations.

Dermal Contact: Dermal exposure to chromium in soil through dermal contact can be eliminated through an excavation program and capping.

There are three potential exposure populations at the site: 1) general population proximal to the site and casual visitors to the site, 2) building occupants, and 3) workers at the site. Excavation of soil with concentrations of chromium greater than 50 mg/kg can eliminate risk to these populations through contact with soil. The only remaining exposure pathway is surface soil greater than 10 mg/kg. The presence of chromium in surface soil at concentrations greater than 10mg/kg may potentially result in a complete exposure pathway via suspension from surface soil. Baker proposes to eliminate this potential human exposure pathway by placing a soil cap on the areas where soil concentrations are greater than 10 mg/kg.

Based on the results of numerous Site investigations Baker proposes the following remedial action program consistent with the terms of the Voluntary Agreement is proposed for the Site. The proposed remedial action includes mitigation of identified issues to protect human health and the environment.

PROPOSED REMEDIAL ACTION PLAN

As presented above, site soil has been affected with chromium at concentrations greater than generic site specific RSCO's of 10 mg/kg. To address the affected soil at the site, Baker proposes to excavate all soil with concentrations greater than 50 mg/kg in the subsurface (including the area in the Chromium Room) to a depth equal to the water table and to cap any surface soil greater than 10 mg/kg. The cap will consist of a geotextile membrane beneath not less than 12-inches of imported topsoil.

ERM does not propose any modifications to the currently proposed site ground water monitoring plan. Site ground water will be monitored as indicated in previously presented documents. All wells will be sampled for compounds of concern and indicators of natural attenuation. At the completion of the ground water monitoring program, a ground water monitoring report will be submitted to the NYSDEC to document site conditions.

The proposed remedial action plan will be completed with the implementation of land use limitation and institutional controls on future ground water use and soil management at the site. Upon completion of the remedial action plan, soil with chromium in concentrations greater than 50 mg/kg will have been removed and concentrations greater than 10 mg/kg will have been capped. Therefore, Baker does not anticipate any use limitations or institutional controls regarding soil at the site.

A detailed remedial design document will be prepared under a separate cover by a Professional Engineer. The Remedial Design Report will contain specific design parameters and engineering details.

Please call me if you have any questions or comments.

Sincerely,

Edward Hinchey, P.G.
Operations Manager

C: Doug Grimmer – Baker Properties
Marc Baker – Baker Properties

ATTACHMENT A

TABLE 1
SUMMARY OF INORGANIC METALS ANALYTICAL DATA - SOIL
FORMER BANKNOTE OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK

SAMPLE	DEPTH	DATE	MATRIX	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
CR-W-CR-S	NA	12/06/95	SOIL	X	
CR-W-CR-1	NA	12/06/95	SOIL	X	
CR-W-CR-2	NA	12/06/95	SOIL	X	
CR-NW-CR-CS	NA	12/06/95	SOIL	X	
CR-NW-CR-S	NA	12/06/95	SOIL	X	
CR-NW-CR-1	NA	12/06/95	SOIL	X	
CR-NW-CR-2	NA	12/06/95	SOIL	X	
CR-NE-CR-CS	NA	12/06/95	SOIL	X	
CR-NE-CR-S	NA	12/06/95	SOIL	X	
CR-NE-CR-1	NA	12/06/95	SOIL	X	
ONGR-OS	Surface	12/12/95	SOIL	X	
ONGR-01	1	12/12/95	SOIL	X	
ONGR-02	2	12/12/95	SOIL	X	
OCR1-OS	Surface	12/12/95	SOIL	X	
OCR1-01	1	12/12/95	SOIL	X	
OCR1-02	2	12/12/95	SOIL	X	
OCR2-OS	Surface	12/12/95	SOIL	X	
OCR2-01	1	12/12/95	SOIL	X	
OCR2-02	2	12/12/95	SOIL	X	
OCR3-OS	Surface	12/12/95	SOIL	X	
OCR3-01	1	12/12/95	SOIL	X	
OCR3-02	2	12/12/95	SOIL	X	
OCR4-OS	Surface	12/12/95	SOIL	X	
OCR4-01	1	12/12/95	SOIL	X	
OCR4-02	2	12/12/95	SOIL	X	
OCR5-OS	Surface	12/12/95	SOIL	X	
OCR5-01	1	12/12/95	SOIL	X	
OCR5-02	2	12/12/95	SOIL	X	
SB1/SS1	5	01/96	SOIL	X	
SB1/SS2	10	01/96	SOIL	X	
SB2/SS2	8	01/96	SOIL	X	
SB2	9	01/96	SOIL	X	
SB3/SS1	7	01/96	SOIL	X	
SB3/SS2	9	01/96	SOIL	X	
SB3/SS3	11	01/96	SOIL	X	
SB3/SS4	12	01/96	SOIL	X	
SB4/SS1	8	01/96	SOIL	X	
SB4/SS2	10	01/96	SOIL	X	
SB4/SS3	12	01/96	SOIL	X	

NOTES:

- Depth is reported in feet below grade, unless otherwise indicated.
- Site specific action level selected at 50 parts-per-million (ppm) or mg/Kg.
- Italicized type indicates site background samples.

NA - Indicates depth of sample collection is not known.

TABLE 1 (Continued)
SUMMARY OF INORGANIC METALS ANALYTICAL DATA - SOIL (cont'd)
FORMER BANKNOTE OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK

SAMPLE	DEPTH	DATE	MATRIX	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
SB4/SS4	14	01/96	SOIL	X	
SB5/SS2	10	01/96	SOIL	X	
SB5/SS3	12	01/96	SOIL	X	
SB5/SS4	14	01/96	SOIL	X	
B1	2-4	07/02/01	SOIL	X	
B1	4-6	07/02/01	SOIL	X	
B1	6-8	07/02/01	SOIL	X	
B1	8-10	07/02/01	SOIL	X	
B2	2-4	07/02/01	SOIL	X	
B2	4-6	07/02/01	SOIL	X	
B2	6-8	07/02/01	SOIL	X	
B2	8-10	07/02/01	SOIL	X	
MW2	0-2	07/02/01	SOIL	X	
MW2	2-4	07/02/01	SOIL	X	
MW2	4-6	07/02/01	SOIL	X	
MW2	6-8	07/02/01	SOIL	X	
MW2	8-10	07/02/01	SOIL	X	
MW2	10-12	07/02/01	SOIL	X	
MW2	12-14	07/02/01	SOIL	X	
B-3	0-2	07/02/01	SOIL	X	
B-3	2-4	07/02/01	SOIL	X	
MW-4	3"-9"	07/02/01	SOIL	X	
MW-4	2-4	07/02/01	SOIL	X	
MW-4	4-6	07/02/01	SOIL	X	
MW-4	6-8	07/02/01	SOIL	X	
B5/MW-5	0-2	07/02/01	SOIL	X	
B-4	0-2	07/03/01	SOIL	X	
B-4	2-4	07/03/01	SOIL	X	
B-4	4-8	07/03/01	SOIL	X	
BCA-0702-SB1A	NA	07/02	SOIL	X	X
BCA-0702-SB2A	NA	07/02	SOIL	X	X
BCA-0702-SB3A	NA	07/02	SOIL	X	X
BCA-0702-SB4A	NA	07/02	SOIL	X	X
BCA-0702-SB5A	NA	07/02	SOIL	X	X
BCA-0702-SB6A	NA	07/02	SOIL	X	X
BCA-0702-SB7A	NA	07/02	SOIL	X	X
BCA-0702-SB7AD	NA	07/02	SOIL	X	X
BCA-0702-SB8A	NA	07/02	SOIL	X	X
BCA-0702-SB9A	NA	07/02	SOIL	X	X
BCA BG NW-1	2"-3"	08/02	SOIL	X	

NOTES:

- Depth is reported in feet below grade, unless otherwise indicated.
- Site specific action level selected at 50 parts-per-million (ppm) or mg/Kg.
- Italicized type indicates site background samples.

NA - Indicates depth of sample collection is not known.

TABLE 1 (Continued)
SUMMARY OF INORGANIC METALS ANALYTICAL DATA - SOIL (cont'd)
FORMER BANKNOTE OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK

SAMPLE	DEPTH	DATE	MATRIX	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
BCA BG NE-1	2"-3"	08/02	SOIL	X	
BCA BG SE-1	2"-3"	08/02	SOIL	X	
BCA BG SW-1	2"-3"	08/02	SOIL	X	
BCA BG NW-2	2"-3"	08/02	SOIL	X	
BCA BG NE-2	2"-3"	08/02	SOIL	X	
BSB-1	1.5	05/29/03	SOIL	X	
BSB-1	3.0	05/29/03	SOIL	X	
BSB-1	4.0	05/29/03	SOIL	X	
BSB-2	1.0	05/29/03	SOIL	X	
BSB-2	2.0	05/29/03	SOIL	X	
BSB-2	3.0	05/29/03	SOIL	X	
BSB-3	3.5	05/29/03	SOIL	X	
BSB-4	4.0	05/29/03	SOIL	X	
BSB-5	4.0	05/29/03	SOIL	X	
BSB-6	0.5	05/29/03	SOIL	X	
BSB-6	1.0	05/29/03	SOIL	X	
BSB-6	2.0	05/29/03	SOIL	X	
CRB-1	0.0	05/30/03	SOIL	X	X
CRB-1	1.5	05/30/03	SOIL	X	X
CRB-2	0.0	05/30/03	SOIL	X	X
CRB-2	1.0	05/30/03	SOIL	X	X
CRB-3	0.0	05/30/03	SOIL	X	X
CRB-3	1.0	05/30/03	SOIL	X	X
CRB-4	0.0	05/30/03	SOIL	X	X
CRB-5	0.0	05/30/03	SOIL	X	X
CRB-6	1.0	05/30/03	SOIL	X	X
CRB-7	0.0	05/30/03	SOIL	X	X
CRB-7	1.0	05/30/03	SOIL	X	X
BSB-DUPE		05/29/03	SOIL	X	

NOTES:

- Depth is reported in feet below grade, unless otherwise indicated.
- Site specific action level selected at 50 parts-per-million (ppm) or mg/Kg.
- Italicized type indicates site background samples.

NA - Indicates depth of sample collection is not known.

TABLE 2
SUMMARY OF SOIL SAMPLE RESULTS
FORMER BANKNOTE CORPORATION OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK
29-30 May 2003

SAMPLE ID	GENERIC RSCO	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
	UNITS - mg/Kg		
BSB-1 (1.5)	10	**415**	NS
BSB-1 (3.0)	10	**184**	NS
BSB-1 (4.0)	10	**118**	NS
BSB-2 (1.0)	10	**10.4**	NS
BSB-2 (2.0)	10	**11.3**	NS
BSB-2 (3.0)	10	**10.7**	NS
BSB-3 (3.5)	10	**12.0**	NS
BSB-4 (3.0)	10	**354**	NS
BSB-5 (4.0)	10	**19.7**	NS
BSB-6 (0.5)*	10	**15.5**	NS
BSB-6 (1.0)	10	**11.9**	NS
BSB-6 (2.0)	10	**12.9**	NS
BSB-DUPE*	10	**25.7**	NS
CRB-1 (0.0)	10	**291**	**86**
CRB-1 (1.5)	10	**9.31**	ND
CRB-2 (0.0)	10	**77.4**	26
CRB-2 (1.0)	10	**16.5**	ND
CRB-3 (0.0)	10	**120**	22
CRB-3 (1.0)	10	**11.5**	ND
CRB-4 (0.0)	10	**641**	**59**
CRB-5 (0.0)	10	**342**	**100**
CRB-6 (1.0)	10	**10.2**	ND
CRB-7 (0.0)	10	**20.1**	ND
CRB-7 (1.0)	10	**23.9**	ND

NOTES:

ND - analyte was not detected in the sample at a concentration above the method detection limit.

- Bold face type indicates analytical value greater than site specific generic RSCO.
- Site specific generic RSCO selected at 10 parts-per-million (ppm) or mg/Kg.

NS - indicates sample was not analyzed for this method.

* - Duplicate sample collected at soil boring BSB-6 at 0.5 foot interval.

TABLE 3
SUMMARY OF BACKGROUND SOIL SAMPLE RESULTS
FORMER BANKNOTE CORPORATION OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK
August 2002

SAMPLE ID	GENERIC RSCO	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
		UNITS - mg/Kg	
BCA BG NW-1	10	8.51	NS
BCA BG NE-1	10	**10.8**	NS
BCA BG SE-1	10	9.67	NS
BCA BG SW-1	10	7.58	NS
BCA BG NW-2	10	7.53	NS
BCA BG NE-2	10	7.47	NS

NOTES:

ND< - analyte was not detected in the sample at a concentration above the method detection limit.

- Bold face type indicates analytical value greater than site specific action level.
- Site specific generic RSCO selected at 10 parts-per-million (ppm) or mg/Kg

NS - indicates sample was not analyzed for this method.

TABLE 4
SUMMARY OF SOIL SAMPLE RESULTS - Peach Tree Environmental
FORMER BANKNOTE CORPORATION OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK
July 2002

SAMPLE ID	GENERIC RSCO	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
	UNITS - mg/Kg		
BCA-0702-SB1A	10	12	ND<0.010
BCA-0702-SB2A	10	**24**	ND<0.010
BCA-0702-SB3A	10	**15**	ND<0.010
BCA-0702-SB4A	10	**39**	ND<0.010
BCA-0702-SB5A	10	**72**	ND<0.010
BCA-0702-SB6A	10	**94**	ND<0.010
BCA-0702-SB7A	10	**23**	ND<0.010
BCA-0702-SB7AD	10	**27**	ND<0.010
BCA-0702-SB8A	10	**14**	ND<0.010
BCA-0702-SB9A	10	**19**	ND<0.010

NOTES:

ND< - analyte was not detected in the sample at a concentration above the method detection limit.

- Bold face type indicates analytical value greater than site specific action level.
- Site specific generic RSCO selected at 10 parts-per-million (ppm) or mg/Kg

NS - indicates sample was not analyzed for this method.

TABLE 5
SUMMARY OF SOIL SAMPLE RESULTS
FORMER BANKNOTE CORPORATION OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK
2-3 July 2001

SAMPLE ID	GENERIC RSCO	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
	UNITS - mg/Kg		
B1 (2-4)	10	**175**	NS
B1 (4-6)	10	8.99	NS
B1 (6-8)	10	11.1	NS
B1 (8-10)	10	7.71	NS
B2 (2-4)	10	**60.6**	NS
B2 (4-6)	10	**23.3**	NS
B2 (6-8)	10	4.5	NS
B2 (8-10)	10	**26.5**	NS
MW2 (0-2)	10	**12.3**	NS
MW2 (2-4)	10	**11.7**	NS
MW2 (4-6)	10	5.8	NS
MW2 (6-8)	10	8.4	NS
MW2 (8-10)	10	**11.3**	NS
MW2 (10-12)	10	**10.3**	NS
MW2 (12-14)	10	4.38	NS
B-3 (0-2)	10	**22.6**	NS
B-3 (2-4)	10	7.84	NS
MW-4 (3"-9")	10	**15.2**	NS
MW-4 (2-4)	10	6.93	NS
MW-4 (4-6)	10	9.95	NS
MW-4 (6-8)	10	3.2	NS
B5/MW-5 (0-2)	10	7.69	NS
B-4 (0-2)	10	**11.8**	NS
B-4 (2-4)	10	8.84	NS
B-4 (4-6)	10	6.02	NS

NOTES:

ND< - analyte was not detected in the sample at a concentration above the method detection limit.

- Bold face type indicates analytical value greater than site specific generic RSCO.
- Site specific generic RSCO selected at 10 parts-per-million (ppm) or mg/Kg

NS - indicates sample was not analyzed for this method.

TABLE 6
SUMMARY OF SOIL SAMPLE RESULTS - Kiber
FORMER BANKNOTE CORPORATION OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK
January 1996

SAMPLE ID	GENERIC RSCO	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
	UNITS - mg/Kg		
SB1/SS1	10	8	NS
SB1/SS2	10	5.6	NS
SB2/SS2	10	10	NS
SB2	10	**16.1**	NS
SB3/SS1	10	**12.3**	NS
SB3/SS2	10	8.7	NS
SB3/SS3	10	**23**	NS
SB3/SS4	10	**11**	NS
SB4/SS1	10	**11.1**	NS
SB4/SS2	10	**10.3**	NS
SB4/SS3	10	**14.3**	NS
SB4/SS4	10	7.2	NS
SB5/SS2	10	9.6	NS
SB5/SS3	10	**11.2**	NS
SB5/SS4	10	9.3	NS

NOTES:

ND< - analyte was not detected in the sample at a concentration above the method detection limit.

- Bold face type indicates analytical value greater than site specific generic RSCO.
- Site specific generic RSCO selected at 10 parts-per-million (ppm) or mg/Kg.

NS - indicates sample was not analyzed for this method.

TABLE 7
SUMMARY OF SOIL SAMPLE RESULTS - Kiber
FORMER BANKNOTE CORPORATION OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK
12 December 1995

SAMPLE ID	GENERIC RSCO	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
	UNITS - mg/Kg		
ONGR-OS	10	**53**	NS
ONGR-01	10	ND<	NS
ONGR-02	10	ND<	NS
OCR1-OS	10	**160**	NS
OCR1-01	10	**47**	NS
OCR1-02	10	**27**	NS
OCR2-OS	10	**900**	NS
OCR2-01	10	**79**	NS
OCR2-02	10	**140**	NS
OCR3-OS	10	**44**	NS
OCR3-01	10	**43**	NS
OCR3-02	10	**33**	NS
OCR4-OS	10	**950**	NS
OCR4-01	10	**290**	NS
OCR4-02	10	**500**	NS
OCR5-OS	10	**300**	NS
OCR5-01	10	**35**	NS
OCR5-02	10	**26**	NS

NOTES:

ND< - analyte was not detected in the sample at a concentration above the method detection limit.

- Bold face type indicates analytical value greater than site specific generic RSCO.
- Site specific generic RSCO selected at 10 parts-per-million (ppm) or mg/Kg.

NS - indicates sample was not analyzed for this method.

TABLE 8
SUMMARY OF SOIL SAMPLE RESULTS - Kiber
FORMER BANKNOTE CORPORATION OF AMERICA FACILITY
SUFFERN, ROCKLAND COUNTY, NEW YORK
6 December 1995

SAMPLE ID	GENERIC RSCO	TOTAL CHROMIUM	HEXAVALENT CHROMIUM
	UNITS - mg/Kg		
CR-W-CR-S	10	**564**	NS
CR-W-CR-1	10	**340**	NS
CR-W-CR-2	10	**490**	NS
CR-NW-CR-CS	10	**930**	NS
CR-NW-CR-S	10	**683**	NS
CR-NW-CR-1	10	**760**	NS
CR-NW-CR-2	10	**790**	NS
CR-NE-CR-CS	10	**560**	NS
CR-NE-CR-S	10	7.4	NS
CR-NE-CR-1	10	**22**	NS

NOTES:

ND< - analyte was not detected in the sample at a concentration above the method detection limit.

- Bold face type indicates analytical value greater than site specific generic RSCO.
- Site specific generic RSCO selected at 10 parts-per-million (ppm) or mg/Kg.

NS - indicates sample was not analyzed for this method.

ATTACHMENT B

NORTH

Donnigan Drive

New York State Thruway

BASEMENT

Chromium Room

Railroad Tracks

Loading Dock

Site Layout
Former Banknote Facility
Suffern, NY

PREPARED FOR: **BAKER PROPERTIES**

ERM

SCALE: NTS

DATE: 10 July 2003

FIGURE: 1

NORTH

SB-9A

SB-8A

SB-6A

SB-3A

BSB-6

MW-4

BSB-2 OCR-5 BSB-3 BSB-4

SB-4A SB-5A

SB-1A SB-2A BSB-1 OCR-4 OCR-3 OCR-2 BSB-5 OCR-1 OCR SB-7A/AD

CRB-1 CRB-2 CRB-3 CRB-4

CR-NW-CR-CS
CR-NW-CR-S
CR-NW-CR-I
CR-NW-CR-2

B1 B2

CRB-7

CR-W-CR-S
CR-W-CR-I
CR-W-CR-2

B4

CRB-6

CRB-5

MW-2

BASEMENT

Chromium Room

CR-NE-CR-CS
CR-NE-CR-S
CR-NE-CR-I

B3

New York State Thruway

FORMER BANKNOTE FACILITY

B5

LEGEND

- ▲ Monitoring Well Location
- ● Boring Location / Soil Sample Location
- —×— Chain Link Fence
- ■ Temporary Well Location

Chromium Soil Data Sample Locations
Former Banknote Facility
Suffern, NY

PREPARED FOR: **BAKER PROPERTIES**

ERM

SCALE: NTS

DATE: 10 July 2003

FIGURE: 2

NORTH

BSB-2	
1.0	10.4
3.0	11.3
4.0	10.7

OCR5	
OS	300
01	35
02	26

BSB-3	
3.5	12

OCR2	
OS	900
01	79
02	140

BSB-4	
3.0	354

OCR1	
OS	160
01	47
02	27

MW-4

BSB-6	
0.5	15.5
1.0	11.9
2.0	12.9

BSB-1	
1.5	415
3.0	184
4.0	118

OCR4	
OS	950
01	290
02	500

OCR3	
OS	44
01	43
02	33

BSB-5	
4.0	19.7

ONGR	
OS	53
01	ND
02	ND

CRB-1		
0.0	291 - T Cr	86 - Hex Cr
1.5	9.31 - T Cr	ND - Hex Cr

CRB-7		
0.0	20.1 - T Cr	ND - Hex Cr
1.5	23.9 - T Cr	ND - Hex Cr

CRB-2		
0.0	77.4 - T Cr	26 - Hex Cr
1.5	16.5 - T Cr	ND - Hex Cr

CRB-3		
0.0	120 - T Cr	22 - Hex Cr
1.5	11.5 - T Cr	ND - Hex Cr

CRB-4		
0.0	641 - T Cr	59 - Hex Cr

CRB-6		
0.0	10.2 - T Cr	ND - Hex Cr

CRB-5		
0.0	342 - T Cr	100 - Hex Cr

BASEMENT

Chromium Room

New York State Thruway

FORMER BANKNOTE FACILITY

LEGEND

- ▲ Monitoring Well Location
- ● Boring Location / Soil Sample Location
- -X- Chain Link Fence
- ■ Temporary Well Location

Units in mg/Kg

BSB-1	
1.5	415
3.0	184
4.0	118

Soil Sample Collected 29 May 2003

OCR1	
OS	160
01	47
02	27

Soil Sample Collected 12 December 1995

CRB-1		
0.0	291 - T Cr	86 - Hex Cr
1.5	9.31 - T Cr	ND - Hex Cr

Soil Sample Collected 30 May 2003

Chromium Soil Data 1995/2003
Former Banknote Facility
Suffern, NY

PREPARED FOR: **BAKER PROPERTIES**

ERM

SCALE: NTS

DATE: 10 July 2003

FIGURE: 3

NORTH

BCA-0702-SB9A	
19-T Cr	ND-Hex Cr

BCA-0702-SB3A	
15-T Cr	ND-Hex Cr

BCA-0702-SB6A	
94-T Cr	ND-Hex Cr

BCA-0702-SB8A	
14-T Cr	ND-Hex Cr

BCA-0702-SB1A	
12-T Cr	ND-Hex Cr

BCA-0702-SB2A	
24-T Cr	ND-Hex Cr

BCA-0702-SB4A	
39-T Cr	ND-Hex Cr

BCA-0702-SB5A	
72-T Cr	ND-Hex Cr

MW-4

BCA-0702-SB7A	
23-T Cr	ND-Hex Cr

BCA-0702-SB7AD	
27-T Cr	ND-Hex Cr

Chromium Room

BASEMENT

FORMER BANKNOTE FACILITY

New York State Thruway

LEGEND

BCA-0702-SB8A	
14-T Cr	ND-Hex Cr

Soil Sample With Analytical Data

Units Reported In mg/Kg

▲ Monitoring Well Location

● Boring Location / Soil Sample Location

—X— Chain Link Fence

■ Temporary Well Location

Chromium Soil Data July 2002
Former Banknote Facility
Suffern, NY

PREPARED FOR: **BAKER PROPERTIES**

ERM

SCALE: NTS

DATE: 10 July 2003

FIGURE: 4

NORTH

BSB-6	
0.5	15.5
1.0	11.9
2.0	12.9

MW-4

BSB-2	
1.0	10.4
3.0	11.3
4.0	10.7

BSB-3	
3.5	12

BSB-4	
3.0	354

BSB-1	
1.5	415
3.0	184
4.0	118

BSB-5	
4.0	19.7

CRB-1		
0.0	291 - T Cr	86 - Hex Cr
1.5	9.31 - T Cr	ND - Hex Cr

CRB-3		
0.0	120 - T Cr	22 - Hex Cr
1.5	11.5 - T Cr	ND - Hex Cr

CRB-4		
0.0	641 - T Cr	59 - Hex Cr

18.5 Feet

CRB-2		
0.0	77.4 - T Cr	26 - Hex Cr
1.5	16.5 - T Cr	ND - Hex Cr

CRB-7		
0.0	20.1 - T Cr	ND - Hex Cr
1.5	23.9 - T Cr	ND - Hex Cr

CRB-6		
0.0	10.2 - T Cr	ND - Hex Cr

CRB-5		
0.0	342 - T Cr	100 - Hex Cr

BASEMENT

38.5 Feet

Chromium Room

New York State Thruway

FORMER BANKNOTE FACILITY

LEGEND

- ▲ Monitoring Well Location
- ● Boring Location / Soil Sample Location
- Chain Link Fence
- ■ Temporary Well Location

Units in mg/Kg

BSB-1	
1.5	415
3.0	184
4.0	118

Soil Sample Collected 29 May 2003

CRB-1		
0.0	291 - T Cr	86 - Hex Cr
1.5	9.31 - T Cr	ND - Hex Cr

Soil Sample Collected 30 May 2003

Estimated Horizontal Extent of Chromium Affected Soil

Chromium Affected Soil Extent-Horizontal
Former Banknote Facility
Suffern, NY

PREPARED FOR: **BAKER PROPERTIES**

ERM

SCALE: NTS

DATE: 10 July 2003

FIGURE: 5