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ATTACHMENT

**PHASE II - FINAL REPORT
PRDA NO. DE-RA05-910R22000**

CONTRACT NO. DE-AC07-93ID13215

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#6803-000

**PHASE II - FINAL REPORT
PRDA NO. DE-RA05-910R22000**

**INEL COLD TEST PIT
DEMONSTRATION OF IMPROVEMENTS IN INFORMATION
DERIVED FROM NON-INTRUSIVE GEOPHYSICAL METHODS
OVER BURIED WASTE SITES**

CONTRACT NO. DE-AC07-93ID13215

Prepared for:

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May 9, 1994

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US CODE

Phase II

Labko Chemical Processing Plant (LCPP)

E14.2

 

[illegible]

FIGURE 2

US DOE
Phase II Isak Chemical Processing Plant (ICPP) EMAP
Figure 2 Data Only
USEC Environmental Sciences, Inc.

FIGURE 3

US DOE
Phase II
Idaho Chemical Processing Plant (ICPP)
EM 31
APPARENT CONDUCTIVITY
Horizontal
North Grid
CEES - Blackhawk Geosciences DIV

Scale 1:180
10 0 10
(feet)

FIGURE 4

US DOE
Phase II
Idaho Chemical Processing Plant (ICPP)
EM 31
In Phase
Horizontal
North Grid
CEES - Blackhawk Geosciences DIV

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) EM 31
APPARENT CONDUCTIVITY Vertical North Grid
<i>CEES - Blackhawk Geosciences DIV</i>

Scale 1:180

(feet)

FIGURE 6

US DOE

Phase II
Idaho Chemical Processing Plant (ICPP)
EM 31

In Phase
Vertical
North Grid

CEES - Blackhawk Geosciences DIV

FIGURE 8

US DOE

Phase II
Idaho Chemical Processing Plant (ICPP)
EM 31

In Phase
Horizontal
North Grid

CEES - Blackhawk Geosciences DIV

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) EM 31
APPARENT CONDUCTIVITY Vertical North Grid
CEES - Blackhawk Geosciences DIV

FIGURE 10

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) EM 31
In Phase Vertical North Grid
CEES - Blackhawk Geosciences DIV

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) EM 38
APPARENT CONDUCTIVITY Vertical North Grid
<i>CEES - Blackhawk Geosciences DIV</i>

Scale 1:180
(feet)

FIGURE 12

US DOE

Phase II
Idaho Chemical Processing Plant (ICPP)
EM 38

In Phase
Vertical
North Grid

CEES - Blackhawk Geosciences Div

Scale 1:180
10 0 10
(feet)

FIGURE 13

US DOE

Phase II

Idaho Chemical Processing Plant
EM38

Apparent Conductivity
Vertical Dipole
North Grid

CEES - Blackhawk Geosciences Div

Scale 1:180
10 0 10
(feet)

FIGURE 14

US DOE

Phase II
Idaho Chemical Processing Plant (ICPP)
EM 38

In Phase
Vertical
North Grid

CEES - Blackhawk Geosciences DIV

Scale 1:180
10 0 10
(feet)

FIGURE 15

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) Magnetics
Total Field North Grid
<i>CEES - Blackhawk Geosciences DIV</i>

Scale 1:180
10 0 10
(feet)

FIGURE 16

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) Magnetics
Magnetic Gradient North Grid
CEES - Blackhawk Geosciences DIV

FIGURE 17

US DOE

Phase II

Idaho Chemical Processing Plant (ICPP)
CESIUM MAGNETOMETER DATA

TOTAL FIELD (GAMMAS)
NORTH GRID

CEES-BLACKHAWK GEOSCIENCES DIV

FIGURE 18

US DOE

PHASE II

IDAHO CHEMICAL PROCESSING PLANT (ICPP)

EMG1 CHANNEL 1

SOUTH GRID

U.S. Environmental Protection Agency

FIGURE 19

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) EM 61
Channel 2 South Grid
CEES - Blackhawk Geosciences DA

FIGURE 20

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) EM 31
APPARENT CONDUCTIVITY Horizontal South Grid
CEES - Blackhawk Geosciences DIV

FIGURE 21

US DOE

Phase II
Idaho Chemical Processing Plant (ICPP)
EM 31

In Phase
Horizontal
South Grid

CEES - Blackhawk Geosciences DIV

Scale 1:180
10 0 10
(feet)

FIGURE 22

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) EM 31
APPARENT CONDUCTIVITY Vertical South Grid
CEES - Blackhawk Geosciences DIV

Scale 1:180
10 0 10
(feet)

FIGURE 23

US DOE

Phase II
Idaho Chemical Processing Plant (ICPP)
EM 31

In Phase
Vertical
South Grid

CEES - Blackhawk Geosciences DIV

Scale 1:240

FIGURE 24

US DOE

Phase II

Idaho Chemical Processing Plant (ICPP)
EM 31

APPARENT CONDUCTIVITY

Horizontal
South Grid

CEES - Blackhawk Geosciences DIV

CEES - Blackhawk Geosciences Div

In Phase
Horizontal
South Grid

Phase II
Idaho Chemical Processing Plant (ICPP)
EM 31

US DOE

FIGURE 25

Scale 1:240
(feet)

Scale 1:240
10 0 10 20
(feet)

FIGURE 26

US DOE

Phase II

Idaho Chemical Processing Plant (ICPP)
EM 31

APPARENT CONDUCTIVITY

Vertical
South Grid

CEES - Blackhawk Geosciences DIV

Scale 1:240

FIGURE 27

US DOE

Phase II

Idaho Chemical Processing Plant (ICPP)
EM 31

In Phase
Vertical
South Grid

CEES - Blackhawk Geosciences DIV

FIGURE 28

US DOE

Phase II
Idaho Chemical Processing Plant
EM38

Apparent Conductivity
Vertical Dipole
South Grid

CEES - Blackhawk Geosciences Div

Scale 1:180

Scale 1:180
10 0 10
(feet)

FIGURE 29

US DOE

Phase II
Idaho Chemical Processing Plant (ICPP)
EM 38

In Phase
Vertical
South Grid

CEES - Blackhawk Geosciences DIV

FIGURE 30

US DOE	
Phase II Idaho Chemical Processing Plant EM38	
Apparent Conductivity Vertical Dipole South Grid	
CEES - Blackhawk Geosciences Div

FIGURE 31

US DOE

Phase II
Idaho Chemical Processing Plant (ICPP)
EM 38

In Phase
Vertical
South Grid

CEES - Blackhawk Geosciences DIV

FIGURE 32

US DOE
Phase II
Idaho Chemical Processing Plant (ICPP)
Magnetics
Total Field
South Grid
CEES - Blackhawk Geosciences DIV

FIGURE 33

US DOE
Phase II Idaho Chemical Processing Plant (ICPP) Magnetics
Magnetic Gradient South Grid
CEES - Blackhawk Geosciences DIV

DATE

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END