

APPENDIX E
VARIANCE REPORTS



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

Variance No: PARCEL81QAUGUST01.VR1

Linked w/NC No: X

Date of Issue: 8-9-2001

Page 1 of 1

Project Name: **Fort McClellan – CK10**

Project Number: 796887.11020300

-Variance Report -

I. Description: (by the person identifying the change)

FINAL SITE-SPECIFIC FIELD SAMPLING PLAN, RANGE 24 LOWER PARCEL 81Q

The Final Site-Specific Field Sampling Plan (FSSFSP) proposed a surface soil sample, subsurface soil sample, and groundwater sample at sample location HR-81Q-MW01. Permanent residuum monitoring well HR-81Q-MW01 was moved approximately 128 feet southwest of direct-push soil boring location HR-81Q-MW01.

Identified by: Jeffrey Tarr, PG – IT Site Manager

Date: 8-09-01

II. Justification for Variance:

The FSSFSP proposed sample location HR-81Q-MW01 outside the eastern area of Parcel 81Q near the eastern boundary downslope from 55-gallon drums filled with dirt. Permanent residuum monitoring well HR-81Q-MW01 was not installed at its proposed location because hollow-stem auger refusal was encountered prior to reaching groundwater. Three attempts were made to install the well, but auger refusal was encountered at depths ranging from 3 foot below land surface (bls) to 6.5 feet bls. Therefore, a decision was made to move permanent residuum monitoring well HR-81Q-MW01 approximately 128 feet southwest of the direct-push soil boring location HR-81Q-MW01. Groundwater was encountered at approximately 4.5 feet bls and the well was successfully installed. This variance will not alter the scope or intent of the Site Investigation at Range 24 Lower.

III. Applicable Document/Work Plan: (by the person identifying the change)

Final Site-Specific Field Sampling Plan, Site-Specific Safety and Health Plan and Site-Specific Unexploded Ordnance Plan Attachments, Range 24 Lower, Parcel 81Q, June 2001.

Distribution List:

1. Jeanne Yacoub, IT Project Manager
2. Steve Moran, IT Technical Lead
3. Jeffrey Tarr, IT Site Manager
4. Randy McBride, IT QA Officer
5. Mr. Ellis Pope, US Army Corps of Engineers
6. Mr. Ross McCollum, US Army Corps of Engineers

- Signatures -

Requested by: Jeffrey Tarr, PG - IT Site Manager *Jeffrey Tarr* 8-14-01
Date

Approved by: *Stanley E. Smith* 8-22-01
Date

Project Manager Approval: *Jeanne Yacoub* 8/20/01
Date

QA Approval: *Randy L. McBride* 8/23/01
Date



Variance No: PARCEL81QAUGUST01.VR2

Linked w/NC No: X

Date of Issue: 8-9-2001

Page 1 of 1

Project Name: Fort McClellan - CK10

Project Number: 796887.11020300

-Variance Report -

I. Description: (by the person identifying the change)

FINAL SITE-SPECIFIC FIELD SAMPLING PLAN, RANGE 24 LOWER PARCEL 81Q

The Final Site-Specific Field Sampling Plan (FSSFSP) proposed a surface soil sample, subsurface soil sample, and groundwater sample at sample location HR-81Q-MW02. Permanent residuum monitoring well HR-81Q-MW02 was moved approximately 110 feet east of direct-push soil boring location HR-81Q-MW02.

Identified by: Jeffrey Tarr, PG - IT Site Manager

Date: 8-09-01

II. Justification for Variance:

The FSSFSP proposed sample location HR-81Q-MW02 downslope and within the southern corner of Parcel 81Q. Permanent residuum monitoring well HR-81Q-MW02 was not installed at its proposed location because hollow-stem auger refusal was encountered prior to reaching groundwater. Several attempts were made to install the well, but auger refusal was encountered at depths ranging from 19 foot below land surface (bls) to 41 feet bls. Therefore, a decision was made to move permanent residuum monitoring well HR-81Q-MW02 approximately 110 feet east of the direct-push soil boring location HR-81Q-MW02. Groundwater was encountered at approximately 26.5 feet bls and the well was successfully installed. This variance will not alter the scope or intent of the Site Investigation at Range 24 Lower.

III. Applicable Document/Work Plan: (by the person identifying the change)

Final Site-Specific Field Sampling Plan, Site-Specific Safety and Health Plan and Site-Specific Unexploded Ordnance Plan Attachments, Range 24 Lower, Parcel 81Q, June 2001.

Distribution List:

1. Jeanne Yacoub, IT Project Manager
2. Steve Moran, IT Technical Lead
3. Jeffrey Tarr, IT Site Manager
4. Randy McBride, IT QA Officer
5. Mr. Ellis Pope, US Army Corps of Engineers
6. Mr. Ross McCollum, US Army Corps of Engineers

- Signatures -

Requested by: Jeffrey Tarr, PG - IT Site Manager 8-20-2001
Date

Approved by: Stanley E. Parrott 8-22-01
Date

Project Manager Approval: Jeanne Yacoub 8/20/01
Date

QA Approval: Robert L. d/S... 8/23/01
Date



**INTERNATIONAL
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Variance No: PARCEL81QAUGUST01.VR3

Linked w/NC No: X

Date of Issue: 8-20-2001

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Project Name: Fort McClellan -- CK10

Project Number: 796887.11020300

-Variance Report -

I. Description: (by the person identifying the change)

FINAL SITE-SPECIFIC FIELD SAMPLING PLAN, RANGE 24 LOWER PARCEL 81Q

The Final Site-Specific Field Sampling Plan (FSSFSP) proposed a surface soil sample, subsurface soil sample, and groundwater sample at sample location HR-81Q-MW03. Permanent residuum monitoring well HR-81Q-MW03 was not installed and a groundwater sample was not collected.

Identified by: Jeffrey Tarr, PG – IT Site Manager

Date: 8-20-01

II. Justification for Variance:

The FSSFSP proposed sample location HR-81Q-MW03 in the western area near the southwest corner of Parcel 81Q. Permanent residuum monitoring well HR-81Q-MW03 was not installed because competent bedrock was encountered prior to reaching groundwater. Several attempts were made to install the well, but competent bedrock was encountered at depths ranging from 55 foot below land surface (bls) to 69 feet bls and groundwater was not present. Therefore, proposed residuum monitoring well HR-81Q-MW03 was not installed and a groundwater sample was not collected.

III. Applicable Document/Work Plan: (by the person identifying the change)

Final Site-Specific Field Sampling Plan, Site-Specific Safety and Health Plan and Site-Specific Unexploded Ordnance Plan Attachments, Range 24 Lower, Parcel 81Q, June 2001.

Distribution List:

1. Jeanne Yacoub, IT Project Manager
2. Steve Moran, IT Technical Lead
3. Jeffrey Tarr, IT Site Manager
4. Randy McBride, IT QA Officer
5. Mr. Ellis Pope, US Army Corps of Engineers
6. Mr. Ross McCollum, US Army Corps of Engineers

- Signatures -

Requested by: Jeffrey Tarr, PG - IT Site Manager *8-27-01* Date

Approved by: *COE* *9-5-2001* Date

Project Manager Approval: *Jeanne Yacoub* *9/11/01* Date

QA Approval: *Randy McBride* *9-10-01* Date



**INTERNATIONAL
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Variance No: PARCEL81QSEPT01.VR1

Linked w/NC No: X

Date of Issue: 9/17/01

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Project Name: Fort McClellan – CK10 \ WAD 11

Project Number: 796887.11020300

-Variance Report -

I. Description: (by the person identifying the change)

FINAL SITE-SPECIFIC FIELD SAMPLING PLAN, SITE-SPECIFIC SAFETY AND HEALTH PLAN, AND SITE-SPECIFIC UNEXPLODED ORDNANCE SAFETY PLAN ATTACHMENTS – RANGE 24 LOWER, PARCEL 81Q

The Final Site-Specific Field Sampling Plan (FSSFSP) proposed the collection of surface water samples and sediment samples at sample locations HR-81Q-SW/SD02 and HR81Q-SW/SD03. The two surface water samples and two sediment samples were not collected. Depositional soil samples were collected at these locations.

Identified by: Greg Sylvester, Risk Assessment Specialist

Date: 9/17/01

II. Justification for Variance:

The FSSFSP proposed a surface water sample and sediment sample at sample locations HR-81Q-SW/SD02 and HR-81Q-SW/SD03. Surface water and sediment were not present in the drainage ditch. Several attempts were made to collect a surface water sample and sediment sample, but all attempts were unsuccessful. Therefore, depositional soil samples HR-81Q-DEP01 and HR-81Q-DEP02 were collected at those locations to determine the presence or absence of contamination.

III. Applicable Document/Work Plan: (by the person identifying the change)

Final Site-Specific Field Sampling Plan, Site Specific Safety and Health Plan, and Site-Specific Unexploded Ordnance Safety Plan Attachments: Range 24 Lower, Parcel 81Q, June 2001.

Distribution List:

1. Jeanne Yacoub, IT Project Manager
2. Steve Moran, IT Technical Lead
3. Jeffrey Tarr, IT Site Manager
4. Randy McBride, IT QA Officer
5. Mr. Ellis Pope, US Army Corps of Engineers
6. Mr. Ross McCollum, US Army Corps of Engineers

- Signatures -

Requested by: Jeffrey Tarr, PG - IT Site Manager 9-18-2001
Date

Approved by: Carol J. Pope 9/25/01
Date

Project Manager Approval: Jeanne Yacoub 9/27/01
Date

QA Approval: Randy L. McBride 9-19-01
Date



**INTERNATIONAL
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Variance No: PARCEL81QMARCH02.VR1

Linked w/NC No: X

Date of Issue: 3-20-02

Page 1 of 1

Project Name: **Fort McClellan** -

Project Number: 796887.11020300

-Variance Report -

I. Description: (by the person identifying the change)

FINAL SITE-SPECIFIC FIELD SAMPLING PLAN, RANGE 24 LOWER, PARCEL 81Q

The Final Site-Specific Field Sampling Plan (FSSFSP) proposed a surface soil sample and subsurface soil sample at sample location HR-81Q-GP03. The samples were proposed east of the northeast corner of the parcel and downslope of a dirt mound shown on Figure 4-1 of the FSSFSP. The soil samples were collected approximately 400 feet north \ northeast of the proposed location.

Identified by: **Jeffrey J. Tarr, PG - IT Site Manager**

Date: 3-20-02

II. Justification for Variance:

The FSSFSP proposed sample location HR-81Q-GP03 downslope of a dirt mound. Two dirt mounds exist near parcel 81Q. The first dirt mound identified on Figure 4-1 of the FSSFSP is located just east of the parcel. The second dirt mound is located approximately 400 feet north \ northeast of the first dirt mound. The soil samples were inadvertently collected at the second dirt mound.

~~THIS VARIANCE WILL NOT EFFECT THE SAMPLING OBJECTIVES FOR THIS PARCEL BECAUSE OTHER DATA EXISTS THAT REPRESENT THE MOUND IDENTIFIED IN THE WORK PLAN. -R. MCBRIDE 3-20-02~~

III. Applicable Document/Work Plan: (by the person identifying the change)

Final Site-Specific Field Sampling Plan, Site Specific Health and Safety Plan, and Site-Specific Unexploded Ordnance Safety Plan Attachments for Range 24 Lower, Parcel 81Q, Fort McClellan, Calhoun County, Alabama, June 2001.

Distribution List:

1. Jeanne Yacoub, IT Project Manager
2. Steve Moran, IT Technical Lead
3. Jeffrey Tarr, IT Site Manager
4. Randy McBride, IT QA Officer
5. Mr. Ellis Pope, US Army Corps of Engineers
6. Mr. Ross McCollum, US Army Corps of Engineers

- Signatures -

Requested by: **Jeffrey Tarr, PG - IT Site Manager** 3/20/02
Jeffrey Tarr Date

Approved by: **COE 2 Day / a. Webb** 3/20/02
COE 2 Day / a. Webb Date

Project Manager Approval: **Jeanne Yacoub** 3/21/02
Jeanne Yacoub Date

QA Approval: **Randy L. McBride** 3-20-02
Randy L. McBride Date