

APPENDIX H
VARIANCES/NONCONFORMANCES



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

Variance No: GSAOCT.VAR

Linked w/NC No: X

Date of Issue: 10/30/98

Page 1 of 1

Project Name: **Fort McClellan - CK05**

Project Number: **774645**

-Variance Report -

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

GSA AREA AND SURROUNDING WAREHOUSES, PARCEL 151(7):

Direct-push temporary wells were not installed because groundwater was not encountered during drilling operations using direct-push technology. The following 39 direct-push temporary wells proposed at the GSA area were not installed.

FTA-151-GP01, FTA-GP03, FTA-151-GP05, FTA-151-GP07, FTA-151-GP09, FTA-151-GP11, FTA-151-GP12, FTA-151-GP14, FTA-151-GP17, FTA-151-GP19, FTA-151-GP20, FTA-151-GP22, FTA-151-GP24, FTA-151-GP25, FTA-151-GP27, FTA-151-GP29, FTA-151-GP31, FTA-151-GP32, FTA-151-GP33, FTA-151-GP35, FTA-151-GP36, FTA-151-GP37, FTA-151-GP38, FTA-151-GP39, FTA-151-GP40, FTA-151-GP41, FTA-151-GP42, FTA-151-GP43, FTA-151-GP46, FTA-151-GP47, FTA-151-GP48, FTA-151-GP49, FTA-151-GP50, FTA-151-GP51, FTA-151-GP52, FTA-151-GP53, FTA-151-GP54, FTA-151-GP55, and FTA-151-GP56.

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

Date: 10-30-98

II. Justification For Variance:

Unable to install temporary wells because groundwater was not encountered during direct-push drilling operations. Therefore, International Technology will attempt to install temporary wells using a drill rig. Drilling using hollow-stem augers may produce enough groundwater so that wells can be developed and groundwater samples collected.

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

Final Site-Specific Field Sampling Plan, GSA Area and Surrounding Warehouses, August 1998.

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 *3/4/99* Date

Approved by: *Ellis C. Pope* 4/1/99 Date

Proj Manager Approval: *Jeanne Yacoub* 3/4/99 Date

QA Approval: Randy McBride Date



Variance No: GSANOV.VR1

Linked w/NC No:

Date of Issue: 11/30/98

Page 1 of 1

Project Name: Fort McClellan - CK05

Project Number: 774645

- Variance Report -

I. Summary of the Change: (by the person identifying the change)

GSA AREA AND SURROUNDING WAREHOUSES, PARCEL 151(7):

The following proposed wells were not installed using hollow-stem augers: FTA-151-GP09, FTA-151-GP14, FTA-151-GP19, FTA-151-GP20, FTA-151-GP22, FTA-151-GP24, FTA-151-GP27, FTA-151-GP29, FTA-151-GP33, FTA-151-GP38, and FTA-151-GP39.

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

Date: 11-31-98

II. Justification for Variance:

Unable to install temporary wells using hollow-stem augers because competent bedrock was encountered and groundwater was not present during hollow-stem auger drilling. An attempt could be made to install temporary wells using air rotary drilling methods. Drilling using air rotary could produce groundwater so that wells can be installed and groundwater samples collected.

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

Final Site-Specific Field Sampling Plan GSA Area & Surrounding Warehouses Parcel 151(7), August 1998.

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 J. Tarr, PG - IT Site Manager 3/4/99
Date

Approved by: Ernest R. McCollum 4/2/99
Date

Project Manager Approval: Jeanne Yacoub 3/8/99
Date

QA Approval: _____
Date



Variance No: GSANOV.VR2

Linked w/NC No: X

Date of Issue: 11/30/98

Page 1 of 1

Project Name: **Fort McClellan - CK05**

Project Number: **774645**

- Variance Report -

I. Summary of the Change: (by the person identifying the change)

GSA AREA AND SURROUNDING WAREHOUSES PARCEL 151(7):

Sample location FTA-151-GP50 was relocated approximately 60 feet northeast at the request of the Army Corps of Engineers.

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

Date: 11-31-98

II. Justification for Variance:

Site Manager and Army Corps Geologist relocated proposed sample location FTA-151-GP50 approximately 60 feet northeast. Relocating sample location FTA-151-GP50 will more accurately determine the presence of potential contaminants and provide data so that a groundwater flow direction can be established.

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

Final Site-Specific Field Sampling Plan GSA Area & Surrounding Warehouses Parcel 151(7), August, 1998.

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 J. Tarr, PG

3/4/99
Date

Approved by:

Ernest R. McCollum 4/1/99
Date

Project Manager Approval:

Jeanne Yacoub 3/8/99
Date

QA Approval:

Date



Variance No: GSAJAN99.VR1

Linked w/NC No: x

Date of Issue: 1/27/99

Page 1 of 1

Project Name: Fort McClellan - CK05

Project Number: 774645

- Variance Report -

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

GSA AREA AND SURROUNDING WAREHOUSES PARCEL 151(7):

The Site-Specific Field Sampling Plan proposed a temporary well FTA-151-GP37 at the site. Proposed temporary well FTA-151-GP37 was not installed because an existing monitoring well FTA-151-MW07 was located at that location.

Identified by: Jeffrey Tarr, PG - IT Site Manager

Date: 1-27-99

II. Justification For Variance:

The IT Site Manager made a decision to not install temporary well FTA-151-GP37 because existing monitoring well FTA-151-MW07 is located at the same proposed location. A groundwater sample was collected from existing monitoring well FTA-151-MW07. Collecting a groundwater sample from existing monitoring well FTA-151-MW07 prevented drilling and well installation costs.

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

Final Site-Specific Field Sampling Plan, GSA Area and Surrounding Warehouses, Parcel 151(7), August 1998.

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*
Jeffrey Tarr, PG - IT Site Manager 2/19/99 Date

Approved by: *Ellis C Pope*
Ellis C Pope 1/5/99 Date

Project Manager Approval: *Jeanne Yacoub*
Jeanne Yacoub 3/18/99 Date

QA Approval: Randy McBride *Randy McBride*
Randy McBride 2/28/99 Date



Variance No: GSADEC.VAR

Linked w/NC No: x

Date of Issue: 12\31\98

Page _1 of 1__

Project Name: Fort McClellan - CK05

Project Number: 774645

-Variance Report -

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

GSA AREA AND SURROUNDING WAREHOUSES PARCEL 151(7):

Temporary wells FTA-151-GP31, FTA-151-GP32, and FTA-151-GP33 were relocated approximately 10 feet from the direct-push soil boring locations.

Identified by: Jeffrey Tarr, PG - IT Site Manager

Date: 12-31-98

II. Justification For Variance:

The hollow-stem auger drill rig could not access the same locations where the direct-push soil borings were completed. Therefore, temporary wells FTA-151-GP31, FTA-151-GP32, and FTA-151-GP33 were relocated approximately 10 feet from direct-push soil boring locations FTA-151-GP31, FTA-151-GP32, and FTA-151-GP33 because of overhead power lines and buried underground utility lines.

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

Final Site-Specific Field Sampling Plan, GSA Area and Surrounding Warehouses, August 1998.

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 3/4/99 Date

Approved by: *Jeanne Yacoub* 3/5/99 Date

Project Manager Approval: *Jeanne Yacoub* 3/8/99 Date

QA Approval: Randy McBride Date



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

Variance No: GSA - 001

Linked w/NC No: X

Date of Issue: 10/02/98

Page 1 of 1

Project Name: Fort McClellan - CK05

Project Number: 774645

- Variance Report -

I. Summary of the Change: (by the person identifying the change)

Additional subsurface soil sample was collected at direct-push sample location FTA-151-GP01 because elevated PID readings were detected.

Identified by: Randy McBride, IT Project Chemist

Date: 9-17-98

II. Justification for Variance:

Sample location will more accurately determine if contamination is present at the site.

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

Final Site-Specific Field Sampling Plan; GSA Area & Surrounding Warehouses Parcels 151, 2, 4, 67, 69, 238, 124, 111, 91, and 128, dated August 1998.

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: Randy McBride

Randy McBride 11/11/98
Date

Approved by:

E. R. McCollum 11/11/98
Date

Proj Manager Approval:

Jeanne Yacoub 10/19/98
Date

QA Approval: Randy McBride

Date



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

Non Conformance No: GSA-001

Linked w/NC No: x (if applicable)

Date of Issue: 10/02/98

Page 1 of 1

Project Name: Fort McClellan - CK05

Project Number: 774645

-Non Conformance Report -

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

Direct-push sample location FTA-151-GP07 was not installed due to underground utilities, location of Building 256 foundation, and proximity of railroad tracks.

Identified by: Jeffrey Tarr, IT Site Manager

Date: 9-17-98

II. Proposed Corrective Action:

Site Manager, Technical Lead, and Army Corps geologist discussed possibility of relocating direct-push sample location. Consensus was that the data quality objectives would not be met by other site samples. Relocating sample FTA-151-GP07 would not achieve data quality objectives.

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

Final Site-specific Field Sampling Plan GSA Area and Surrounding Warehouses, August, 1998.

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 Site Manager *JT* 11/11/98
Date

Approved by: *Ernest R. McCollum* 11/11/98
Date

Proj Manager Approval: *Jeanne Yacoub* 10/19/98
Date

QA Approval: Randy McBride
Date