APPENDIX G

VARIANCES/NONCONFORMANCES

INTERNATIONAL TECHNOLOGY CORPORATION	**Variance No:** PARCEL126(Q)JUNE99.VR1
	Linked w/NC No: x
	Date of Issue: 6/30/99
	Page _1 of 1__
Project Name: **Fort McClellan - CK07**	Project Number: 780567

-Variance Report -

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

CHEMICAL DEFENSE TRAINING FACILITY PARCEL 126(Q):

The site-specific field sampling plan for the Chemical Defense Training Facility, Parcel 126(Q) proposed a surface soil sample and subsurface soil sample at sample location CDTF-126Q-GP11. The subsurface soil sample was collected approximately 10 feet south of the surface soil sample at sample location CDTF-126Q-GP11.

Identified by: Jeffrey Tarr, PG - IT Site Manager	Date: 6-30-99

II. Justification for Variance:

Subsurface soil sample CDTF-126Q-GP11 was collected approximately 10 feet south of the surface soil sample because an underground utility line was present at approximately 2 feet below ground surface. Therefore, the direct-push rig was moved approximately 10 feet south and the subsurface soil sample was successfully collected for laboratory analysis.

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

Final Site-Specific Field Sampling Plan, Chemical Defense Training Facility (CDTF), Parcel 126(Q), May 1999.

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 — Jeff Tarr — 10/13/99 Date

Approved by: Ellis C. Pope — 11/5/99 Date

Project Manager Approval: Jeanne Yacoub — 10/15/99 Date

QA Approval: Randy McBride — (Jason Bass) for — 11/05/99 Date

INTERNATIONAL TECHNOLOGY CORPORATION	**Variance No:** PARCEL126(Q)JUNE99.VR2
	Linked w/NC No: x
	Date of Issue: 6/30/99
	Page _1 of 1__
Project Name: **Fort McClellan** - CK07	Project Number: 780567

-Variance Report -

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

CHEMICAL DEFENSE TRAINING FACILITY PARCEL 126(Q):

The Site-Specific Field Sampling Plan for the Chemical Defense Training Facility, Parcel 126(Q) proposed approximately 10 feet of new threaded, flush-joint, 0.010-inch continuous wrap polyvinyl chloride (PVC) well screen, approximately 10 feet long. Permanent monitoring well CDTF-126Q-MW06 was constructed with 15 foot of PVC well screen. Permanent monitoring wells CDTF-126Q-MW02, CDTF-126Q-MW04 and CDTF-126Q-MW05 were constructed with 20 foot of PVC well screen.

Identified by: Jeffrey Tarr, PG - IT Site Manager	Date: 6-30-99

II. Justification for Variance:

Permanent monitoring well CDTF-126Q-MW06 was constructed with 15 feet of PVC well screen. Monitoring wells CDTF-126Q-W02, CDTF-126Q-MW04 and CDTF-126Q-MW05 were constructed with 20 feet of PVC well screen. The monitoring wells were constructed with 15 feet and 20 feet of well screen in an attempt to straddle the groundwater table so that the wells could be properly developed and a groundwater sample collected for laboratory analysis.

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

Final Site-Specific Field Sampling Plan, Chemical Defense Training Facility (CDTF), Parcel 126(Q), May 1999.

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 10/13/99 Date Approved by: Ellis C. Pope Date Project Manager Approval: Jeanne Yacoub 10/15/99 Date QA Approval:Randy McBride (Jason Brown) for 11/05/99 Date

INTERNATIONAL TECHNOLOGY CORPORATION

Variance No:	PARCEL126(Q)JUNE99.VR3
Linked w/NC No:	x
Date of Issue:	6/30/99
Page _1 of 1__	

Project Name: **Fort McClellan** - CK07	Project Number: 780567

-Variance Report -

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

CHEMICAL DEFENSE TRAINING FACILITY PARCEL 126(Q):

The site-specific field sampling plan for the Chemical Defense Training Facility, Parcel 126(Q) proposed one groundwater monitoring well CDTF-126 (Q)-MW02 downgradient of the filter stack and filter pad located adjacent to the Training Building 4482. Two groundwater monitoring wells CDTF-126 (Q)-MW02 and CDTF-126 (Q)-MW06 were installed at that location.

Identified by: Jeffrey Tarr, PG - IT Site Manager	Date: 6-30-99

II. Justification for Variance:

During drilling operations at proposed groundwater monitoring well CDTF-126 (Q)-MW02, the exact location of the water table was not known. Therefore, the IT site geologist drilled to a depth of 64.5 feet below land surface (bls) and installed monitoring well CDTF-126 (Q)-MW02 with 20 feet of 0.010-inch continuous slotted polyvinylchloride (PVC) well screen. The well was constructed with 20 feet of well screen in an attempt to straddle the water table so that the monitoring well could be properly developed and a groundwater sample collected for laboratory analysis. After consultation with the US Army Corps of Engineers, it was determined that a second monitoring well CDTF-126 (Q)-MW06 be drilled and installed adjacent to monitoring well CDTF-126 (Q)-MW02. Therefore, monitoring well CDTF-126 (Q)-MW06 was drilled to a depth of 28 feet bls and installed with 15 foot of 0.010-inch continuous slotted PVC well screen. The two monitoring wells were installed downgradient of a potential contaminant source area (filter stack) to more accurately determine both the vertical and horizontal extent of groundwater contamination in the residuum aquifer.

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

Final Site-Specific Field Sampling Plan, Chemical Defense Training Facility (CDTF), Parcel 126(Q), May 1999.

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	10/13/99 Date
Approved by: Ellis C Pope	11/15/99 Date
Project Manager Approval: Jeanne Yacoub	10/15/99 Date
QA Approval: Randy McBride (Mason Brown) for	11/05/99 Date

INTERNATIONAL TECHNOLOGY CORPORATION	**Variance No:** PARCEL126(Q)JUNE99.VR4
	Linked w/NC No: x
	Date of Issue: 6/30/99
	Page _1 of 1__
Project Name: **Fort McClellan** - CK07	Project Number: 780567

-Variance Report -

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

CHEMICAL DEFENSE TRAINING FACILITY PARCEL 126(Q):

Groundwater monitoring wells CDTF-126 (Q)-MW03 and CDTF-126 (Q)-MW04 were proposed topographically downgradient, northwest of the Chemical Defense Training Facility (CDTF) and within the buffer zone. Groundwater monitoring well CDTF-126 (Q)-MW03 was relocated approximately 160 feet south-southeast of its proposed location. Groundwater monitoring well CDTF-126-MW04 was relocated approximately 100 feet east\southeast of its proposed location.

Identified by: Jeffrey Tarr, PG - IT Site Manager	Date: 6-30-99

II. Justification for Variance:

A decision was made by the IT technical lead and US Army Corps of Engineers to relocate groundwater monitoring wells CDTF-126 (Q)-MW03 and CDTF-126 (Q)-MW04 from their proposed locations. The monitoring wells were moved closer to the Chemical Defense Training Facility (CDTF). Moving the monitoring wells closer to the CDTF saved money because a substantial amount of tree and vegetation removal was needed so that the drill rig could access the proposed well locations. Therefore, the monitoring wells were relocated and successfully installed downgradient and closer to the CDTF.

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

Final Site-Specific Field Sampling Plan, Chemical Defense Training Facility (CDTF), Parcel 126(Q), May 1999.

Distribution List:	- Signatures -
1. Jeanne Yacoub, IT Project Manager	Requested by: Jeffrey Tarr, PG - IT Site Manager 10/13/99 Date
2. Steve Moran, IT Technical Lead	Approved by: Ellis C. Pope 11/15/99 Date
3. Jeffrey Tarr, IT Site Manager	Project Manager Approval: Jeanne Yacoub 10/15/99 Date
4. Randy McBride, IT QA Officer	QA Approval: Randy McBride (Jason Brown) for 11/05/99 Date
5. Mr. Ellis Pope, US Army Corps of Engineers	
6. Mr. Ross McCollum, US Army Corps of Engineers	