

**APPENDIX B**  
**VARIANCE REPORTS**



Shaw Environmental & Infrastructure, Inc.

Variance No: Well Abandonment.VR4

Linked w/NC No:

Date of Issue: February 27, 2007

Page 1 of 1

Project Name: Fort McClellan

Project Number: 796887.15271120

### -Variance Report -

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

The Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1) dated October 24, 2006 requested the abandonment of 66 monitoring wells at the Ranges West of Iron Mountain Road (RWIMR), Parcels 73Q-X, 91Q-X, 115Q, 116Q-X, 117Q-X, 129Q-X, 151Q, 181(3), 194(3)/518(3), 200Q, 201Q, 228Q, 229Q-X, 231Q, 232Q-X, Washington Tank Range, and 1950 Rocket Launcher Range. However, monitoring well HR-91Q-MW09 was not abandoned.

Identified by: Jeffrey J. Tarr, Shaw Site Manager

Date: February 27, 2007

#### II. Justification for Variance: (by the person identifying the change)

During well abandonment activities, monitoring well HR-91Q-MW09 could not be located and visual evidence of polyvinyl chloride (PVC) pipe was found near the well location. Currently, the Alabama Department of Transportation (ALDOT) is clearing the land for the Eastern Bypass Corridor (EBC). It appears the well was destroyed during clearing activities for the EBC.

#### III. Applicable Document/Work Plan:

Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1); October 24, 2006.

#### Distribution List:

1. Steve Moran, Shaw Project Manager
2. Lee Coker, US Army Corps of Engineers
3. Jeffrey Tarr, Shaw Site Manager
4. Troy Winton, Shaw Technical Lead
5. Randy McBride, Shaw QA/QC
5. Lisa Holstein, U.S. Army TF

#### - Signatures -

Requested by: *Jeffrey J. Tarr* 2/27/07 Date

Approved by: *[Signature]* 3/1/07 Date

Project Manager Approval: *Steve Moran* 3/5/07 Date

QA Approval: *Randy L. McBride* 3-9-07 Date



Shaw Environmental & Infrastructure, Inc.

Variance No: Well Abandonment.VR3

Linked w/NC No:

Date of Issue: February 27, 2007

Page 1 of 1

Project Name: Fort McClellan

Project Number: 796887.15271120

### -Variance Report -

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

The Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1) dated October 24, 2006 requested the abandonment of nine monitoring wells located at the Ranges South of Range 25, Parcels 224Q, 226Q & 227Q. However, only six of the nine wells were abandoned.

Identified by: Jeffrey J. Tarr, Shaw Site Manager

Date: February 27, 2007

**II. Justification for Variance:** (by the person identifying the change)

Shaw installed nine monitoring wells at the Ranges South of Range 25 during the Site Investigation. However, only six of the wells (HR-224Q-MW01, HR-224Q-MW05, HR-226Q-MW04, HR-227Q-MW01, HR-227Q-MW02 & HR-227Q-MW03) are the Army's responsibility to abandon. The remaining three wells (HR-224Q-MW03, HR-224Q-MW04 and HR-226Q-MW02) are the responsibility of the Joint Powers Authority. Therefore, these three wells were not abandoned.

**III. Applicable Document/Work Plan:**

Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1); October 24, 2006.

Distribution List:

1. Steve Moran, Shaw Project Manager
2. Lee Coker, US Army Corps of Engineers
3. Jeffrey Tarr, Shaw Site Manager
4. Troy Winton, Shaw Technical Lead
5. Randy McBride, Shaw QA/QC
6. Lisa Holstein, U.S. Army TF

**- Signatures -**

Requested by: *Jeffrey J. Tarr* 2/27/07 Date

Approved by: *[Signature]* 5/16/07 Date

Project Manager Approval: *Stephen J. Moran* 3/5/07 Date

QA Approval: *Randy L. McBride* 3/9/07 Date



Shaw Environmental & Infrastructure, Inc.

Variance No: Well Abandonment.VR5

Linked w/NC No:

Date of Issue: February 27, 2007

Page 1 of 1

Project Name: Fort McClellan

Project Number: 796887.15271120

### -Variance Report -

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

The Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1) dated October 24, 2006 requested the abandonment of four background wells located on U.S. Fish and Wildlife property. The work plan stated that three of the background wells (BK-G03, BK-G04, and BK-G06) are located in the vicinity of the Ranges Near Training Area T-24A site. The fourth background well (BK-G08) is located just north of Bains Gap Road in the western-central area of the Main Post. However, only one background well (BK-G08) was abandoned.

Identified by: Jeffrey J. Tarr, Shaw Site Manager

Date: February 27, 2007

#### II. Justification for Variance: (by the person identifying the change)

The letter work plan stated two background wells (BK-G03 and BK-G04) are located within the vicinity of the Ranges Near Training Area T-24A site and will be abandoned. During well abandonment activities, it was discovered that both background wells are located in the northern area of the Main Post (near Landfill No. 4 and Reilly Lake); thus they are the Joint Power Authority (JPA) responsibility. The third background well (BK-G06) is located at the Ranges Near Training Area T-24A, but was not abandoned because of the ongoing remedial investigation at that site. The fourth background well (BK-G08) was successfully abandoned.

#### III. Applicable Document/Work Plan:

Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1); October 24, 2006.

#### Distribution List:

1. Steve Moran, Shaw Project Manager
2. Lee Coker, US Army Corps of Engineers
3. Jeffrey Tarr, Shaw Site Manager
4. Troy Winton, Shaw Technical Lead
5. Randy McBride, Shaw QA/QC
6. Lisa Holstein, U.S. Army TF

#### - Signatures -

Requested by: *Jeffrey J. Tarr* 2/27/07  
Date

Approved by: *[Signature]* 5/16/07  
Date

Project Manager Approval: *Steve Moran* 3/9/07  
Date

QA Approval: *Randy L. McBride* 3-9-07  
Date



Shaw Environmental & Infrastructure, Inc.

Variance No: Well Abandonment.VR6

Linked w/NC No:

Date of Issue: February 27, 2007

Page 1 of 1

Project Name: Fort McClellan

Project Number: 796887.15271120

### -Variance Report -

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

The Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1) dated October 24, 2006 requested the abandonment of wells located at sites previously approved for No Further Action (NFA) with regard to CERCLA-related hazardous substances. However, ten wells (HR-92Q-MW01, HR-92Q-MW02, HR-92Q-MW03, HR-92Q-MW04, HR-93Q-MW01, HR-93Q-MW02, HR-93Q-MW03, HR-93Q-MW04, HR-107Q-MW01 and HR-107Q-MW02) located at the Former Tank Ranges, Parcels 92Q-X and 93Q-X; Former Grenade Range, Parcel 107Q-X, and Impact Areas, Parcels 133Q-X and 134Q-X were abandoned on December 7, 2006. This site was pending NFA during the time the wells were abandoned.

Identified by: Jeffrey J. Tarr, Shaw Site Manager

Date: February 27, 2007

**II. Justification for Variance:** (by the person identifying the change)

These ten wells were abandoned early since the site is pending NFA. However, the Site Investigation Report recommended NFA in regards to CERCLA-related hazardous substances and groundwater contamination doesn't exist at the site. Therefore, the impact is expected to be minimal.

**III. Applicable Document/Work Plan:**

Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1); October 24, 2006.  
Draft-Final Site Investigation Report, Former Tank Ranges, Parcels 92Q-X and 93Q-X, Former Grenade Range, Parcel 107Q-X, and Impact Areas, Parcels 133Q-X and 134Q-X; October 2003.

Distribution List:

1. Steve Moran, Shaw Project Manager
2. Lee Coker, US Army Corps of Engineers
3. Jeffrey Tarr, Shaw Site Manager
4. Troy Winton, Shaw Technical Lead
5. Randy McBride, Shaw QA/QC
6. Lisa Holstein, U.S. Army TF

**- Signatures -**

Requested by: *Jeffrey J. Tarr* 2/27/07 Date

Approved by: *[Signature]* 5/16/07 Date

Project Manager Approval: *Stephen J. Moran* 3/9/07 Date

QA Approval: *Randy L. McBride* 3-9-07 Date



Shaw Environmental & Infrastructure, Inc.

Variance No: WellAbandonments.VR2

Linked w/NC No:

Date of Issue: January 25, 2007

Page 1 of 1

Project Name: Fort McClellan

Project Number: 796887.15271120

### -Variance Report -

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

The Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1) dated October 24, 2006 requested the abandonment of three wells (GSBP-155-MW01, GSBP-155-MW02 and GSBP-155-MW03) located at the Ground Scar with Pit North of Landfill No. 3, Parcel 155(3). However, these three wells were not abandoned.

Identified by: Jeffrey J. Tarr

Date: November 14, 2006

**II. Justification for Variance:** (by the person identifying the change)

The Army has requested that three wells (GSBP-155-MW01, GSBP-155-MW02 and GSBP-155-MW03) not be abandoned because they are located near Landfill No. 3, which is undergoing a remedial investigation and the wells are being used for monitoring. Therefore, these three wells were not abandoned.

**III. Applicable Document/Work Plan:**

Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1); October 24, 2006.

Distribution List:

1. Steve Moran, Shaw Project Manager
2. Lee Coker, US Army Corps of Engineers
3. Jeffrey J. Tarr, Shaw Site Manager
4. Troy Winton, Shaw Technical Lead
5. Randy McBride, Shaw QA/QC
6. Lisa Holstein, U.S. Army TF

**- Signatures -**

Requested by: *Jeffrey J. Tarr* 1/25/07  
Date

Approved by: *[Signature]* 1/16/07  
Date

Project Manager Approval: *Steve H. Moran* 3/9/07  
Date

QA Approval: *Randy L. McBride* 3-9-07  
Date



Shaw Environmental & Infrastructure, Inc.

Variance No: WellAbandonment.VR1

Linked w/NC No:

Date of Issue: November 10, 2006

Page 1 of 1

Project Name: Fort McClellan

Project Number: 774645.27510206

### - Variance Report -

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

The Letter Work Plan for Monitoring Well Abandonments at Multiple Sites proposed the abandonment of 145 wells located at sites previously approved for No Further Action. However, three wells (HR-232QX-MW04, HR-232QX-MW05 and HR-232QX-MW19) will not be abandoned.

Identified by: Jeffrey J. Tarr, Shaw Site Manager

Date: November 10, 2006

#### II. Justification for Variance:

The Army has requested that three wells (HR-232QX-MW04, HR-232QX-MW05 and HR-232QX-MW19) located at the Ranges West of Iron Mountain Road not be abandoned since they are located topographically up-gradient of an ongoing remedial investigation for the Training Area T-5 sites. This approach will allow continual monitoring for the T-5 investigation and save on well abandonment costs.

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

Letter Work Plan for Monitoring Well Abandonments at Multiple Sites (Revision 1); October 24, 2006.

#### Distribution List:

1. Steve Moran, Shaw Project Manager
2. Lee Coker, US Army Corps of Engineers
3. Jeffrey Tarr, Shaw Site Manager
4. Lisa Holstein, Fort McClellan Army

#### - Signatures -

Requested by: Jeffrey J. Tarr

11-6-2006

Date

Approved by:

*[Signature]* 11/8/06

Date

Project Manager Approval:

*[Signature]* 11/8/06

Date

QA Approval:

*[Signature]* 11-10-06

Date