

United States Government

Department of Energy

# memorandum

Carlsbad Field Office

Carlsbad, New Mexico 88221

DATE: June 28, 2010

REPLY TO  
ATTN OF: CBFO:QA:ALH:MAG:10-0678:UFC 2300.00

SUBJECT: Carlsbad Field Office Semi-Annual Trend Analysis Report for July 1 through December 31, 2009, and Reports for the Four Previous Reporting Periods

TO: Distribution



The Carlsbad Field Office (CBFO) Semi-Annual Trend Analysis Report is attached for the period of July 1 through December 31, 2009 (Fourth Quarter of Fiscal Year [FY] 2009 and First Quarter of FY 2010).

Deficiencies included in this report were identified under CBFO Management Procedure (MP) 3.2, Revision 1, *Deficiency Trending and Reporting*.

The new one-page report summarizes trend and site information of corrective action reports and items corrected during an oversight activity, usually either an audit or surveillance. Items appearing in the report are only those that were issued or closed during the reporting period. The report includes data for waste generator sites and excludes data for repository administration and support organizations such as Sandia National Laboratories and Washington TRU Solutions. Reporting only waste generator site data allows the report to be tailored to waste characterization activities and removes any confusion that might be introduced by management and repository administrative issues.

Also enclosed are one-page reports for the four additional six-month reporting periods starting with July 1 through December 31, 2007. These reports are provided for information and comparison to allow reviewers to become familiar with the one-page format.

All deficiencies identified during the reporting period have been assigned trend codes per MP 3.2. These codes allow separation of deficiencies into two categories: activity and deficiency. The activity category identifies functional areas of waste characterization and project activities such as acceptable knowledge (AK), data validation, definition of work processes, and software. The deficiency category addresses areas within an activity such as training, performance, and documentation of work.

A complete listing of activity and deficiency codes is included in MP 3.2. The activity codes were derived from and are meant to be parallel the elements of the CBFO *Quality Assurance Program Document (QAPD)*.

Please review the attached report for possible lessons learned that might be applicable to your work activities. If you have any questions or recommendations for improvement, please contact M. Lea Chism, CBFO Quality Assurance Specialist, at (575) 234-7442.

Ava L. Holland  
Director of Quality Assurance

Attachment

100655



Distribution: w/attachment

E. Dumas, AMWTP	*ED
E. Schweinsberg, AMWTP	ED
T. Fallon, AMWTP	ED
D. Winters, DNFSB	ED
T. Kesterson, DOE OB WIPP NMED	ED
D. Dietzel, DOE-CH	ED
W. Lattin, DOE-ID	ED
J. Wells, DOE-ID	ED
W. McMillan, DOE-OR	ED
L. Romine, DOE-RL	ED
J. Norton, DOE-RL	ED
H. Crapse, DOE-SR	ED
T. Peake, EPA	ED
J. Edwards, EPA	ED
M. Eagle, EPA	ED
E. Feltcorn, EPA	ED
R. Joglekar, EPA	ED
S. Ghose, EPA	ED
R. Lee, EPA	ED
G. Rael, LASO	ED
L. Bishop, LASO	ED
S. Zappe, NMED	ED
S. Holmes, NMED	ED
C. Timm, PECOS	ED
J. Trone, SNL	ED
S. Davis, SNL	ED
L. Smith, LANL	ED
F. M. Sharif, WTS	ED
D. Haar, WTS/CCP	ED
D. Ploetz, WTS/CCP	ED
V. Cannon, WTS/CCP	ED
M. Walker, WTS/CCP	ED
Y. Salmon, WTS/CCP	ED
J. Hoff, WTS	ED
M.A. Mullins, WTS	ED

\*ED denotes electronic distribution

**Distribution**

**-3-**

**June 28, 2010**

<b>cc: w/attachment</b>	
<b>D. Moody, CBFO</b>	<b>*ED</b>
<b>V. Daub, CBFO</b>	<b>ED</b>
<b>R. Nelson, CBFO</b>	<b>ED</b>
<b>D. Gadbury, CBFO</b>	<b>ED</b>
<b>D. Garcia, CBFO</b>	<b>ED</b>
<b>G. Basabilvazo, CBFO</b>	<b>ED</b>
<b>H. Budweg, CBFO</b>	<b>ED</b>
<b>G. Scott, CBFO</b>	<b>ED</b>
<b>G. Gamlin, CBFO</b>	<b>ED</b>
<b>O. Vincent, CBFO</b>	<b>ED</b>
<b>K. Watson, CBFO</b>	<b>ED</b>
<b>D. Miehl, CBFO</b>	<b>ED</b>
<b>M. Navarrete, CBFO</b>	<b>ED</b>
<b>L. Chism, CBFO</b>	<b>ED</b>
<b>W. Ledford, CTAC</b>	<b>ED</b>
<b>A. Pangle, CTAC</b>	<b>ED</b>
<b>J. Schuetz, CTAC</b>	<b>ED</b>
<b>WIPP Operating Record</b>	<b>ED</b>
<b>CBFO QA File</b>	
<b>CBFO M&amp;RC</b>	
<b>*ED denotes electronic distribution</b>	

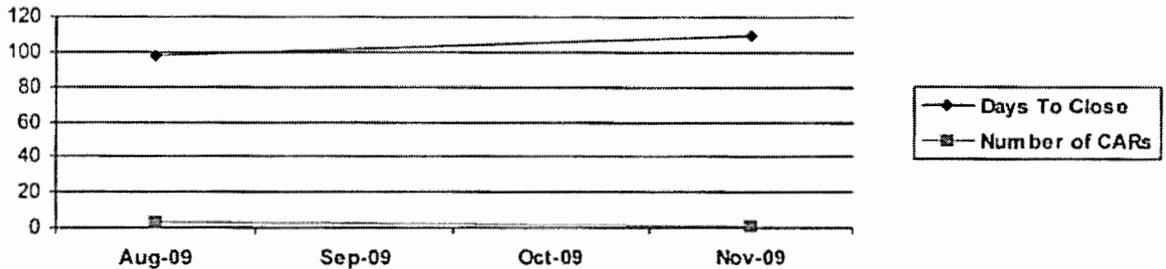
**Carlsbad Field Office  
Corrective Action Trend Report Activity Trend Analysis**

1. Report Period: 07/01/2009 through 12/31/2009	Prepared by: <i>Jan R. Schuetz</i> 6/11/10
2. Sites Included: ANL/CCP ORNL/CCP SRS/CCP	J. Schuetz
3. Total CARs issued during report period: 4	Approved by: <i>A. Holland</i>
4. Total CDAs/CDSs Issued During Report Period: 2	A. Holland 6/25/10

**Descriptive Statistics for CARs Closed During Report Period**

5. Number of CARs Closed: 4	8. Maximum Days to Closure: 162
6. Average Days to Closure: 101	9. Minimum Days to Closure: 36
7. Standard Deviation: 52	

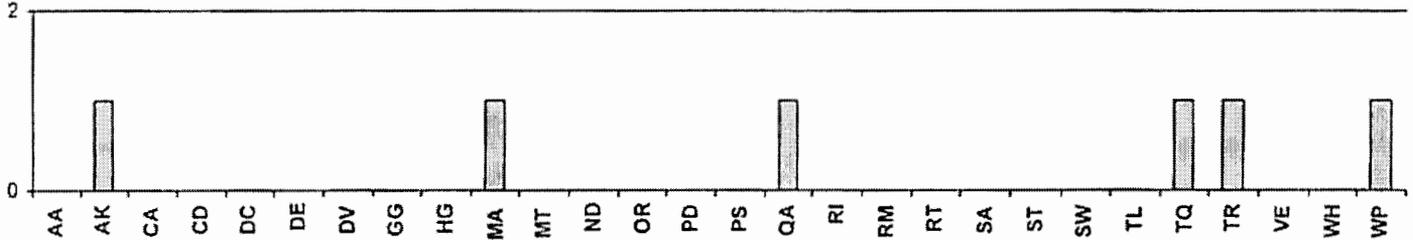
10. Average Time to CAR Closure:



11. Evaluation: The 4 CARs are distributed over 2 sites with one site receiving 3 CARs.

**Activity Trend Analysis**

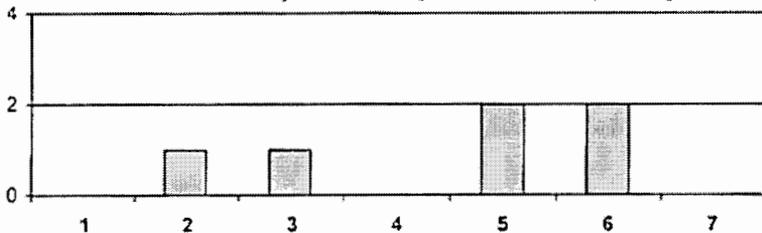
12. CARs/CDAs/CDSs By Activity Code for Reporting Period



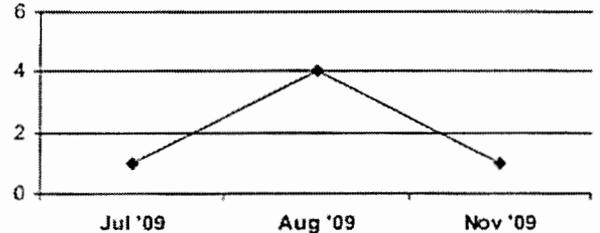
13. Evaluation The 6 individual codes are distributed over 3 sites. The codes are distributed over 4 CARs and 2 CDAs.

**Deficiency Trend Analysis**

14. CARs/CDAs/CDSs By Deficiency Code for Reporting Period



15. CARs/CDAs/CDSs Over Time



16. Evaluation The 4 individual codes are distributed over 3 sites. The 05 - Performance of Work codes are identified at one site under 2 CARs. The 06 - Documentation of Work codes are identified at 2 sites under 1 CAR and 1 CDA.

NOTE: Refer to CBFO Management Procedure MP 3.2, Deficiency Trending and Reporting for a complete description of trend codes.

**Carlsbad Field Office**

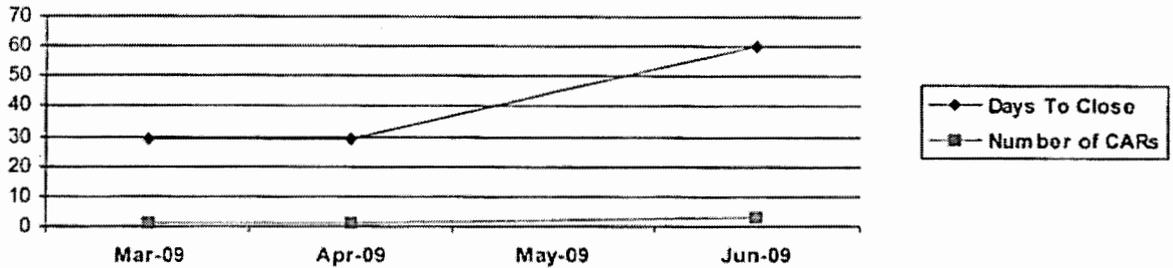
**Corrective Action Trend Report Activity Trend Analysis**

1. Report Period: 01/01/2009 through 06/30/2009	Prepared by: <i>Jan R. Schuetz</i> 6/11/10
2. Sites Included: Hanford INL/CCP LANL/CCP WTS/CCP	J. Schuetz
3. Total CARs issued during report period: 5	Approved by: <i>A. Holland</i> 6/25/10
4. Total CDAs/CDSs Issued During Report Period: 3	A. Holland

**Descriptive Statistics for CARs Closed During Report Period**

5. Number of CARs Closed: 5	8. Maximum Days to Closure: 60
6. Average Days to Closure: 48	9. Minimum Days to Closure: 29
7. Standard Deviation: 17	

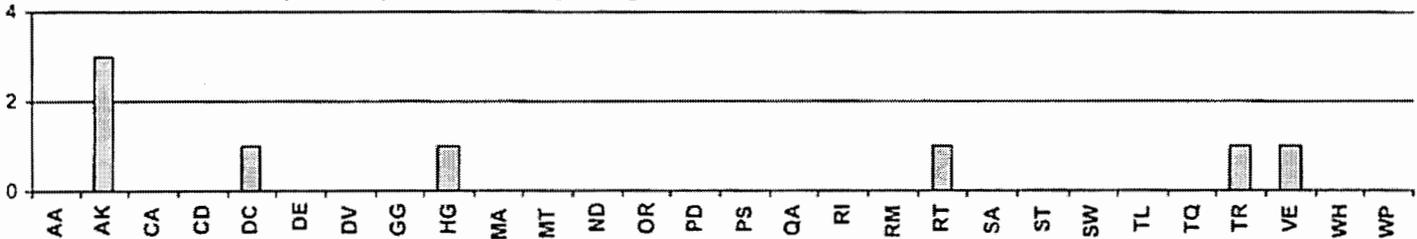
10. Average Time to CAR Closure:



11. Evaluation: The 5 CARs are distributed over 3 sites with one site receiving 3 CARs.

**Activity Trend Analysis**

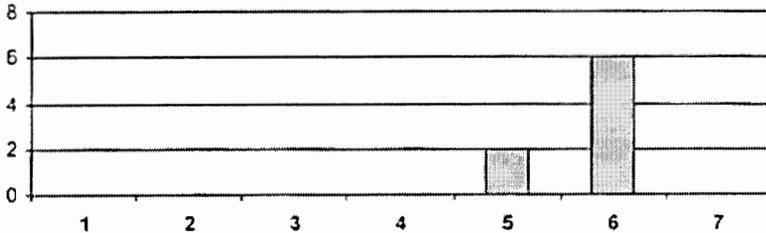
12. CARs/CDAs/CDSs By Activity Code for Reporting Period



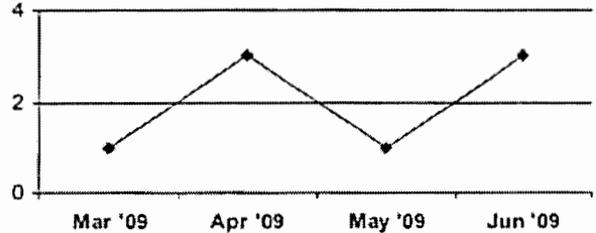
13. Evaluation The 6 individual codes are distributed over 4 sites. The highest number of codes for a single category is 3 for code AK - Acceptable Knowledge (AK). These 3 codes are identified at 2 sites under two CARs at one site and one CDA.

**Deficiency Trend Analysis**

14. CARs/CDAs/CDSs By Deficiency Code for Reporting Period



15. CARs/CDAs/CDSs Over Time



16. Evaluation The 2 individual codes are distributed over 4 sites. The highest number of codes for a single category is 6 for code 06 - Documentation of Work. These 6 codes are identified at 3 sites under three CARs at one site and three CDAs.

NOTE: Refer to CBFO Management Procedure MP 3.2, Deficiency Trending and Reporting for a complete description of trend codes.

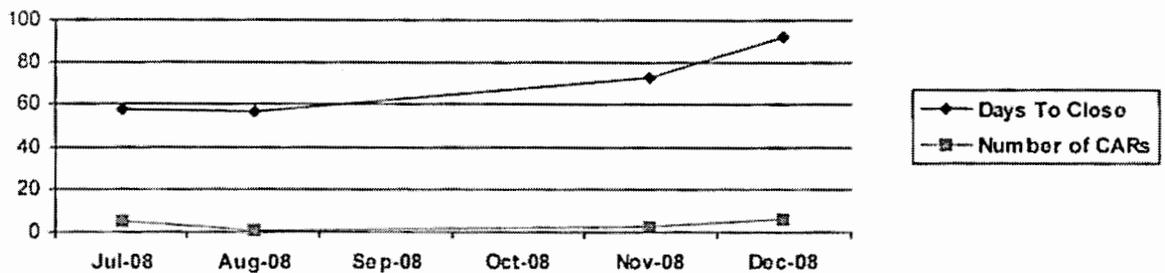
**Carlsbad Field Office  
Corrective Action Trend Report Activity Trend Analysis**

1. Report Period: 07/01/2008 through 12/31/2008	Prepared by: <i>J. R. Schuetz</i> 6/11/10 J. Schuetz
2. Sites Included: ANL/CCP    GEVNCCCP    Hanford ID AMWTP    INL/CCP    ORNL/CCP SRS/CCP    WTS/CCP	
3. Total CARs issued during report period: 15	Approved by: <i>A. Holland</i> 6/10/10 A. Holland
4. Total CDAs/CDSs Issued During Report Period: 9	

**Descriptive Statistics for CARs Closed During Report Period**

5. Number of CARs Closed: 15	
6. Average Days to Closure: 74	8. Maximum Days to Closure 144
7. Standard Deviation: 36	9. Minimum Days to Closure: 34

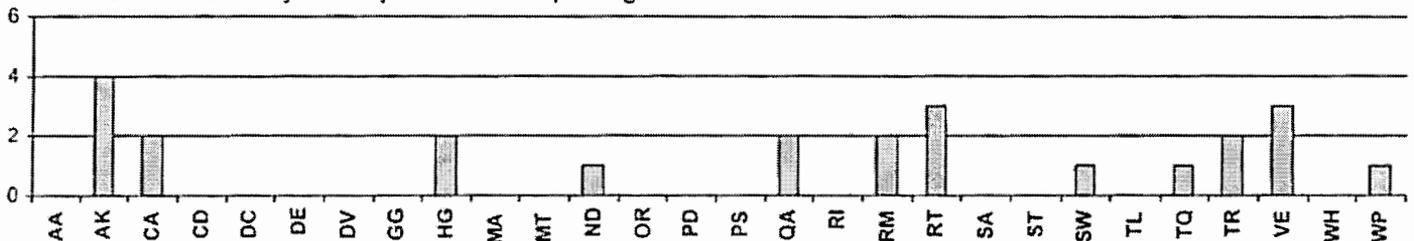
10. Average Time to CAR Closure:



11. Evaluation: The 15 CARs are distributed over 7 sites with one site receiving 5 CARs and other sites receiving no more than 3.

**Activity Trend Analysis**

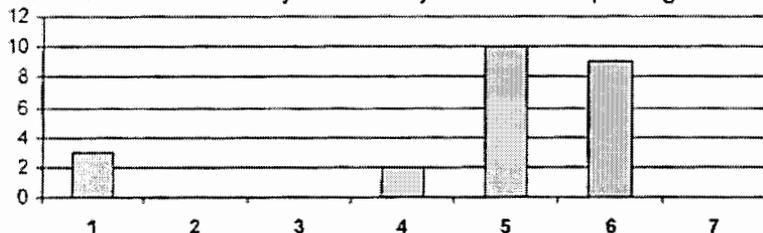
12. CARs/CDAs/CDSs By Activity Code for Reporting Period



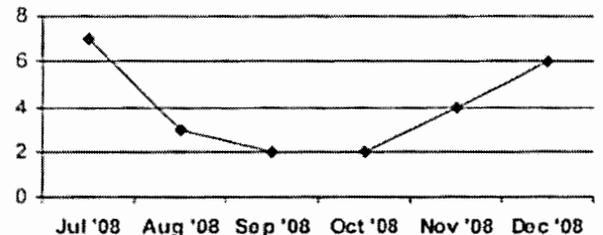
13. Evaluation The 12 individual codes are distributed over 8 sites. The AK - Acceptable Knowledge (AK) codes are identified at 3 sites under 2 CARs at one site and 2 CDAs. The RT - Real-Time Radiography (RTR) codes are identified at 2 sites under 2 CARs at one site and 1 CDA. The VE - Visual Examination (VE) codes are identified at 2 sites under 3 CARs.

**Deficiency Trend Analysis**

14. CARs/CDAs/CDSs By Deficiency Code for Reporting Period



15. CARs/CDAs/CDSs Over Time



16. Evaluation The 4 individual codes are distributed over 8 sites. The 01 - Definition of Work Process and Proceduralization codes are identified at 2 sites under 2 CARs and 1 CDA. The 05 - Performance of Work codes are identified at 6 sites under 7 CARs and 3 CDAs with one site receiving 3 CARs. The 06 - Documentation of Work codes are identified at 5 sites under 4 CARs and 5 CDAs with one site receiving 3 CARs.

NOTE: Refer to CBFO Management Procedure MP 3.2, Deficiency Trending and Reporting for a complete description of trend codes.

**Carlsbad Field Office**

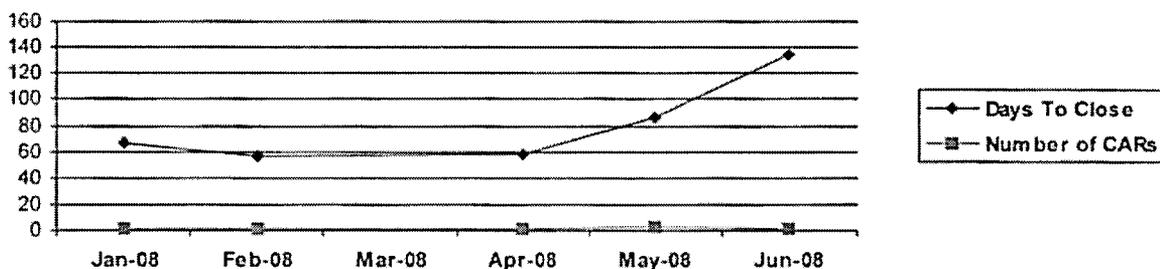
**Corrective Action Trend Report Activity Trend Analysis**

1. Report Period: 01/01/2008 through 06/30/2008	Prepared by: <i>J. R. Schuetz</i> 6/11/10 J. Schuetz
2. Sites Included: Hanford INL/CCP LANL/CCP WTS/CCP	
3. Total CARs issued during report period: 8	Approved by: <i>A. Holland</i> 6/25/10 A. Holland
4. Total CDAs/CDSs Issued During Report Period: 12	

**Descriptive Statistics for CARs Closed During Report Period**

5. Number of CARs Closed: 8	
6. Average Days to Closure: 79	8. Maximum Days to Closure: 169
7. Standard Deviation: 48	9. Minimum Days to Closure: 34

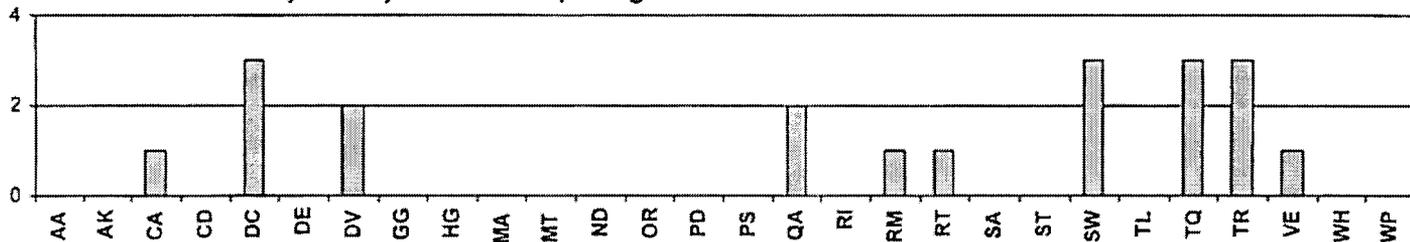
10. Average Time to CAR Closure:



11. Evaluation: The 8 cars are distributed over 4 sites with no more than 3 for any one site.

**Activity Trend Analysis**

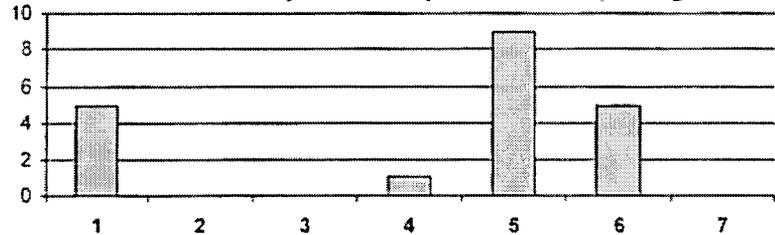
12. CARs/CDAs/CDSs By Activity Code for Reporting Period



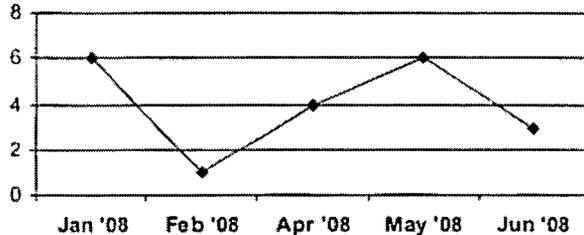
13. Evaluation The 10 individual codes are distributed over 4 sites. The DC - Document Control codes are identified at 1 site under 1 CAR and 2 CDAs. The SW - Software codes are identified at 1 site under 3 CDAs. The TQ - Training and Qualifications codes are identified at 2 sites under 1 CAR per site and 1 CDA. The TR - Transportation codes are identified at 3 sites under 1 CAR and 2 CDAs.

**Deficiency Trend Analysis**

14. CARs/CDAs/CDSs By Deficiency Code for Reporting Period



15. CARs/CDAs/CDSs Over Time



16. Evaluation The 4 individual codes are distributed over 4 sites. The 01 - Definition of Work Process and Proceduralization codes are identified at 4 sites under 1 CAR and 4 CDAs. The 03 - Training Materials and/or Training Presentations codes are identified at 4 sites under 4 CARs and 5 CDAs with no site receiving more than 1 CAR. The 04 - Untrained Personnel codes are identified at 3 sites under 2 CARs and 3 CDAs.

NOTE: Refer to CBFO Management Procedure MP 3.2, Deficiency Trending and Reporting for a complete description of trend codes.

**Carlsbad Field Office**

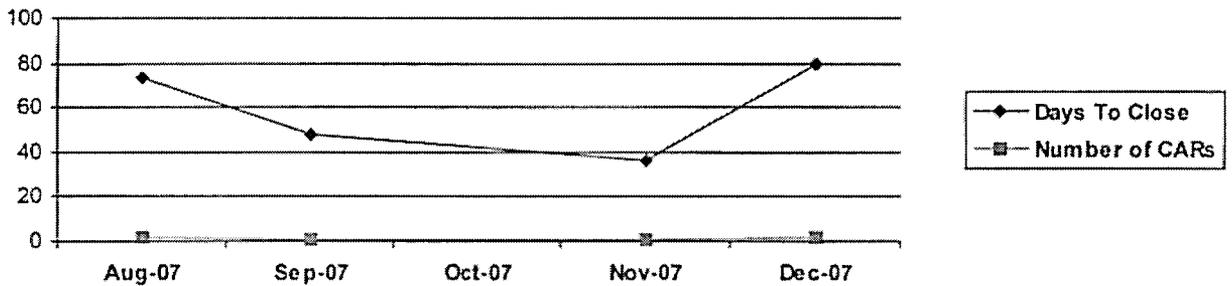
**Corrective Action Trend Report Activity Trend Analysis**

Report Period: 07/01/2007 through 12/31/2007	Prepared by: <i>J. R. Schuetz</i> 4/11/10 J. Schuetz
Sites Included: ANL/CCP ID AMWTP INL/CCP ORNL ORNL/CCP SRS/CCP	
Total CARs issued during report period: 6	Approved by: <i>A. Holland</i> 6/25/10 A. Holland
Total CDAs/CDSs Issued During Report Period: 15	

**Descriptive Statistics for CARs Closed During Report Period**

1. Number of CARs Closed: 6	
2. Average Days to Closure: 65	8. Maximum Days to Closure 127
3. Standard Deviation: 39	9. Minimum Days to Closure: 20

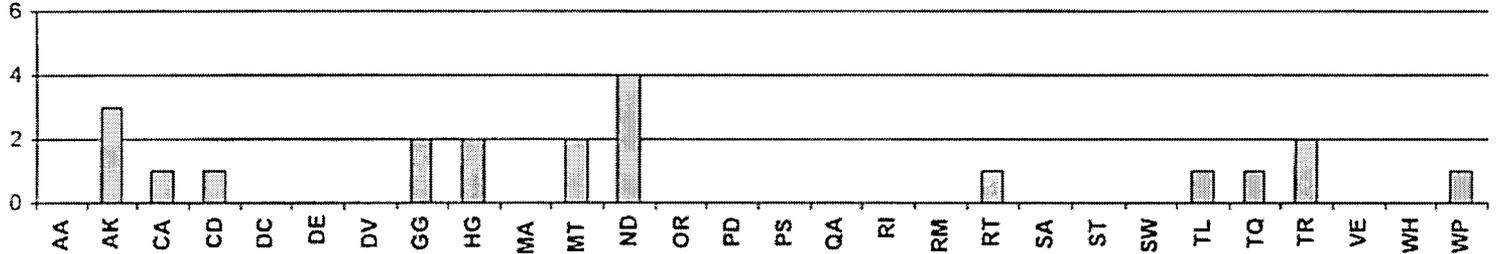
4. Average Time to CAR Closure:



5. Evaluation: The 6 cars are distributed over 4 sites with no more than two for any one site.

**Activity Trend Analysis**

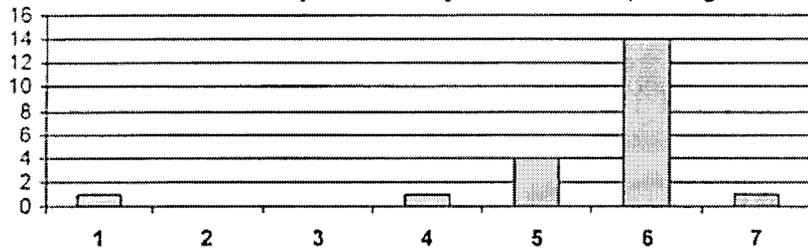
6. CARs/CDAs/CDSs By Activity Code for Reporting Period



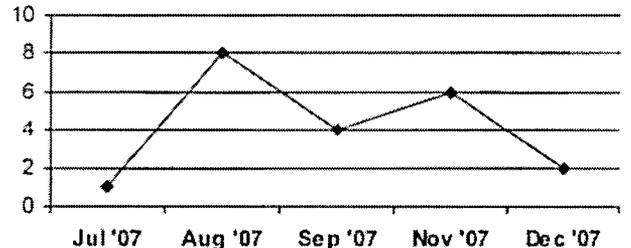
7. Evaluation The 12 individual codes are distributed over 6 sites. The highest number of codes for a single category is 4 for code ND - Non-Destructive Assay (NDA). These 4 codes are identified at one site under one CAR and three CDSs.

**Deficiency Trend Analysis**

8. CARs/CDAs/CDSs By Deficiency Code for Reporting Period



9. CARs/CDAs/CDSs Over Time



10. Evaluation The 5 individual codes are distributed over 6 sites. The highest number of codes for a single category is 14 for code 06 - Documentation of Work. These 14 codes are distributed over five sites with one sites receiving 1 CAR and 4 CDAs and another receiving 4 CDSs. Other sites received 2 or less deficiencies of code 06.

NOTE: Refer to CBFO Management Procedure MP 3.2, Deficiency Trending and Reporting for a complete description of trend codes.