

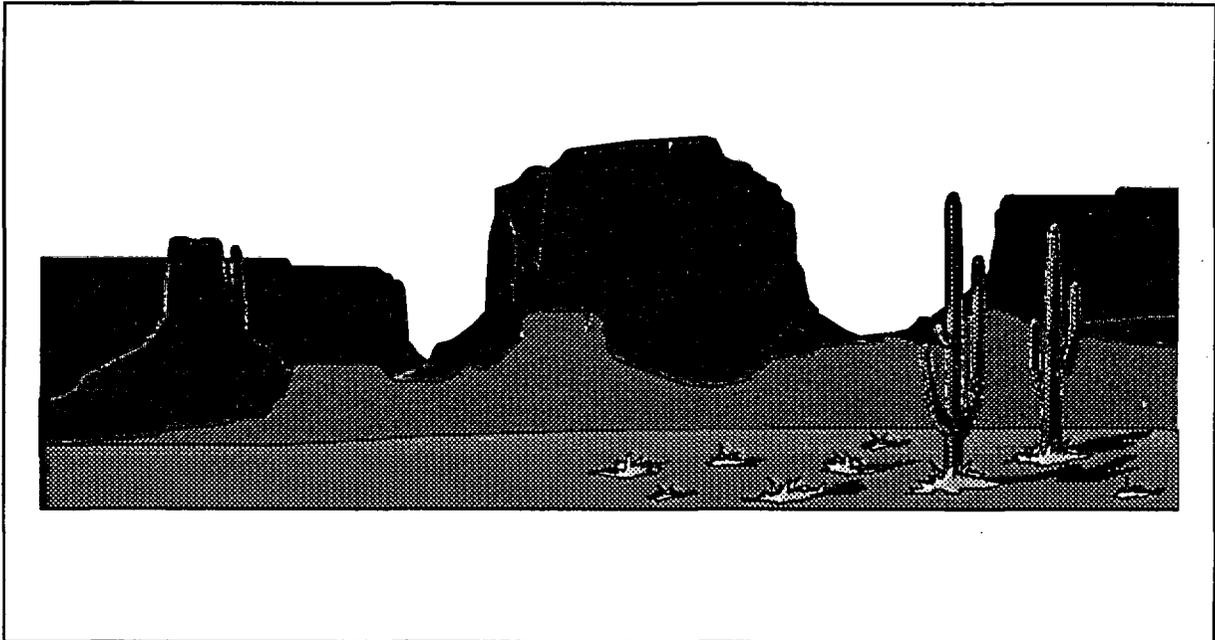
*rec'd from LHM dtd
10/25/93*

OCRWM QA AUDIT

YMP-93-07

Of

CRWMS M&O



**LAS VEGAS, NV
MARCH 1 - 5, 1993
William L. Belke**

102.7

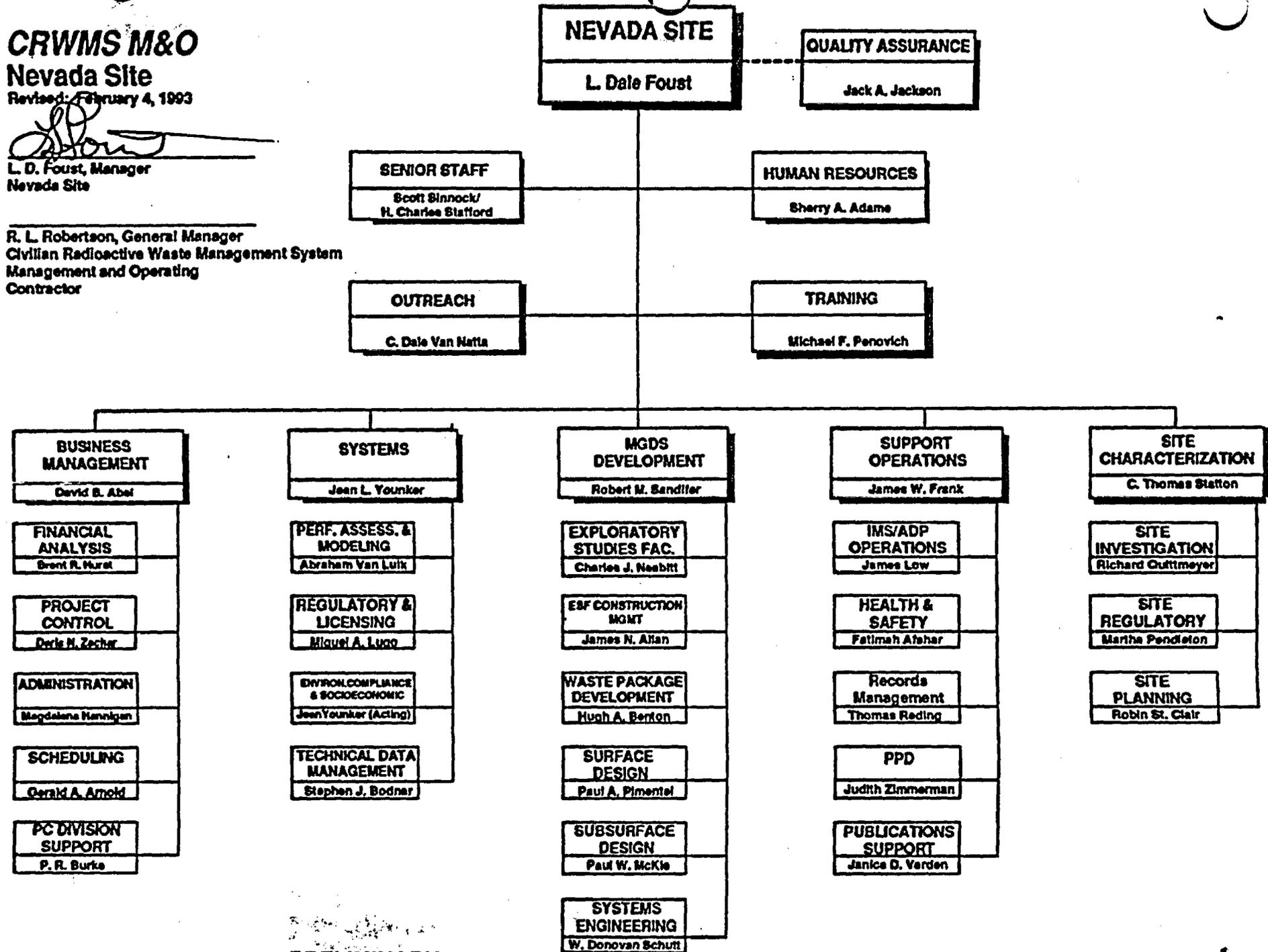
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PDR WASTE
WM-11 PDR

CRWMS M&O Nevada Site

Revised: February 4, 1993

L. D. Foust
L. D. Foust, Manager
Nevada Site

R. L. Robertson, General Manager
Civilian Radioactive Waste Management System
Management and Operating
Contractor

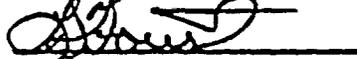


PRELIMINARY

CRWMS M & O

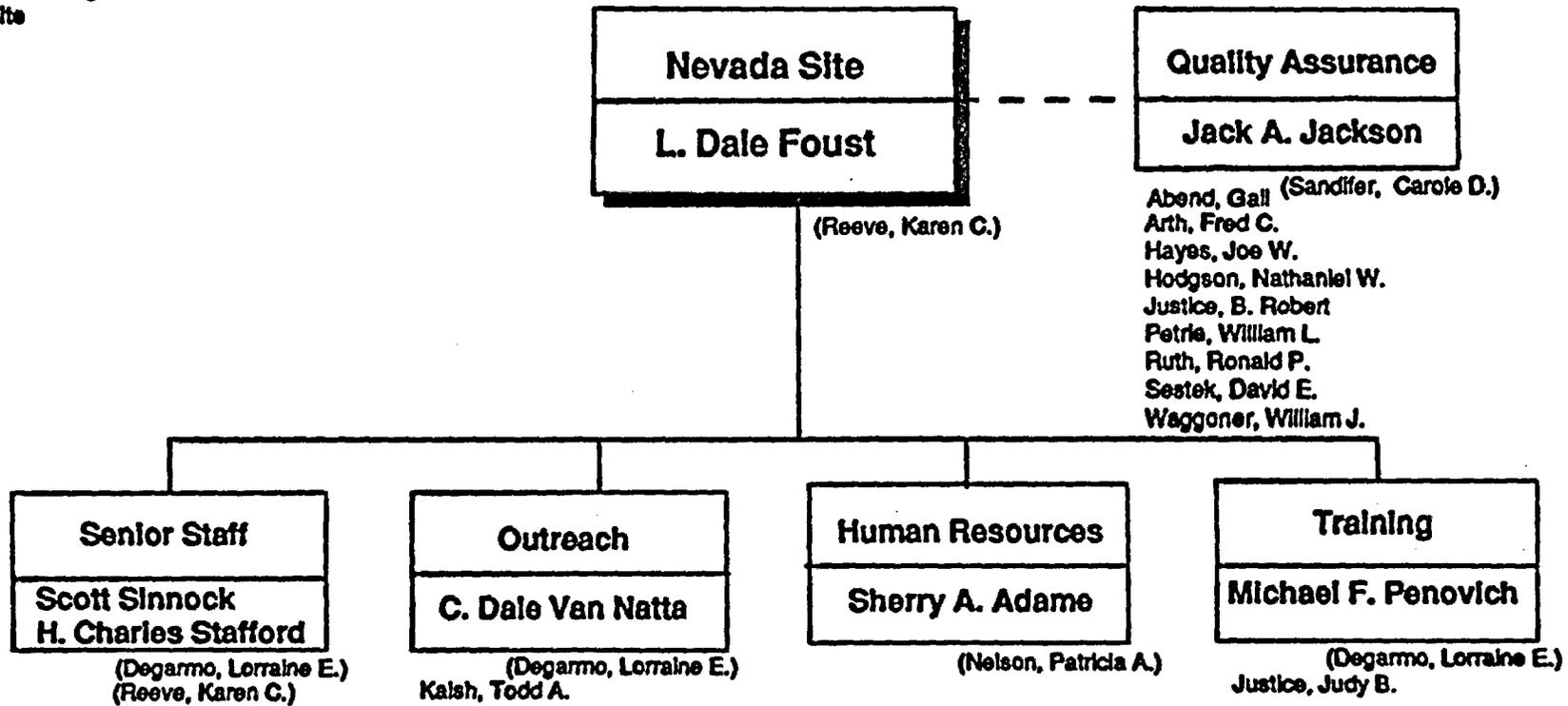
Nevada Site

Revised February 12, 1993



L. D. Foust, Manager
Nevada Site

Nevada Site Support



B. Abel

B. Abel, Manager
Business Management

D. Foust

D. Foust, Manager
Nevada Site

Business Management

Business Management

David B. Abel

(Williams, Tricia)

Project Planning &
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Brent R. Hurst

(Williams, Tricia)

Fox, C. Robert
Kerr, David E.
McKinnon, Barbara L.
Smith, Jack V.

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Robert M. Cameron

(Gardner, Lynn)

Administration

Magdalena G. Hannigan

Bass, Suzanne
Connerty, Nick*
Davies, Clark
Evans, Linda J.
Franklin, Daniel B.
Garcia, Amy U.*
Gutierrez, Lesly A.
Herrera, Pat
Kopa, Joe
Lamanna, James D.
Manning, Roberta
Pullman, Kathryn
Saldivar, Michael D
Watts, Michelle
Williamson, Alicia B.

(Wilkerson, Debra)

Project Control

Daria N. Zachar

(Williams, Tricia)

Frier, Jamie D.
Kepler, Mary L.
Nesbitt, Mary
Plaff, Robert J.

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Omella, Gregg
Rhoads, Barbara D.

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Peter R. Burke

(Williams, Barbara)

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John M. Slocum

Crocker, Michelle
Dadkhah, Shahrtyar
Huston, Joyce A.
Johnson, Sheryl, L.
Spiro, Robert M.
Waltjen-Lomax, Donna L.
Woodward, Chuck B.

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Planning

Richard A. Sleyden

McKeag, Doris
Simms, Sue F.
Williams III, Herman

* Manpower

nevada Site

vised: February 12, 1993

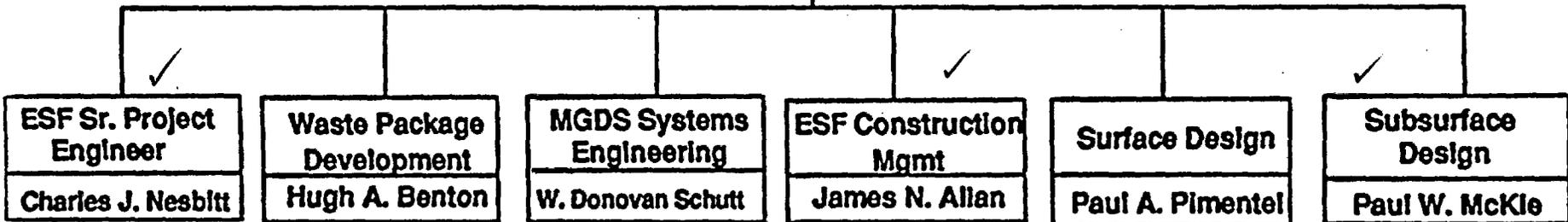
Robert M. Sandifer
Robert M. Sandifer, Manager
GDS Development

D. Foust
D. Foust, Manager
nevada Site

MGDS Development

MGDS Development
Robert M. Sandifer

(Maksena, Carolyn L.)



(Haas, Sarah M.)
Beyer, James R.
Buckey, Charles F.
Hahn, Arthur P.
McKenzie, Daniel G.

(Kutnac, Betty J.)
Bahney, Robert H. McCoy J. Kevin
Doering, Thomas W. Stahl, David
Fish, Robert L. Thomas, Daniel A.
Gottlieb, Peter

(Jacquet, Gwen)
(Gardner, Lynn)
McDonald, Richard C.
O'Conner, Nelson
Pierro, Keen
Wade, Wallace C.

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(Peterson, Roberts)
(Therien, Marla)

(Atkins, Michele L.)
(Howe, Bonnie)
(Keener, Julia)

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Analysis
R. Memory (acting)
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McAllister, Diane N.
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Mikkelsen, Deborah H.
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Blackstone, Robert
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Engwall, Larry G.
French, Bill
Gidwani, Kumar
Gill, Jim
Gutierrez, Ron
Heema, Rodnel
Heiner, Mike
Holland, George
Howell, Bob
Janota, Brad
Lane, Frank
Montalvo, Hector
O'Keefe, Hugh
O'Guin, Larry
Parker, David
Patterson, Wendy
Rivkin, Chuck
Roche, Robert
Rust, Angie
Seuer, Tomas

Ackaret, Robert L.
Bhattacharyya, Kalyan K.
Bonabian, Saeed
Cikanek, Edward M.
Gonzaga, Ted
Grigore, Mihail
Keller, Jerald
Kimber, Kathryn
McKenzie, Daniel G.
Nolting, Rick
Olsen, Steve
Passalacqua, Agustin
Pearce, Craig
Peters, John W.
Rasmussen, Dave
Reed, William
Rickerd, Carla
Saunders, Robert M.
Steinhoff, Jeff J.
Talpele, James M.
Watkins, Arthur T.
Winter, George
Yang, Hang

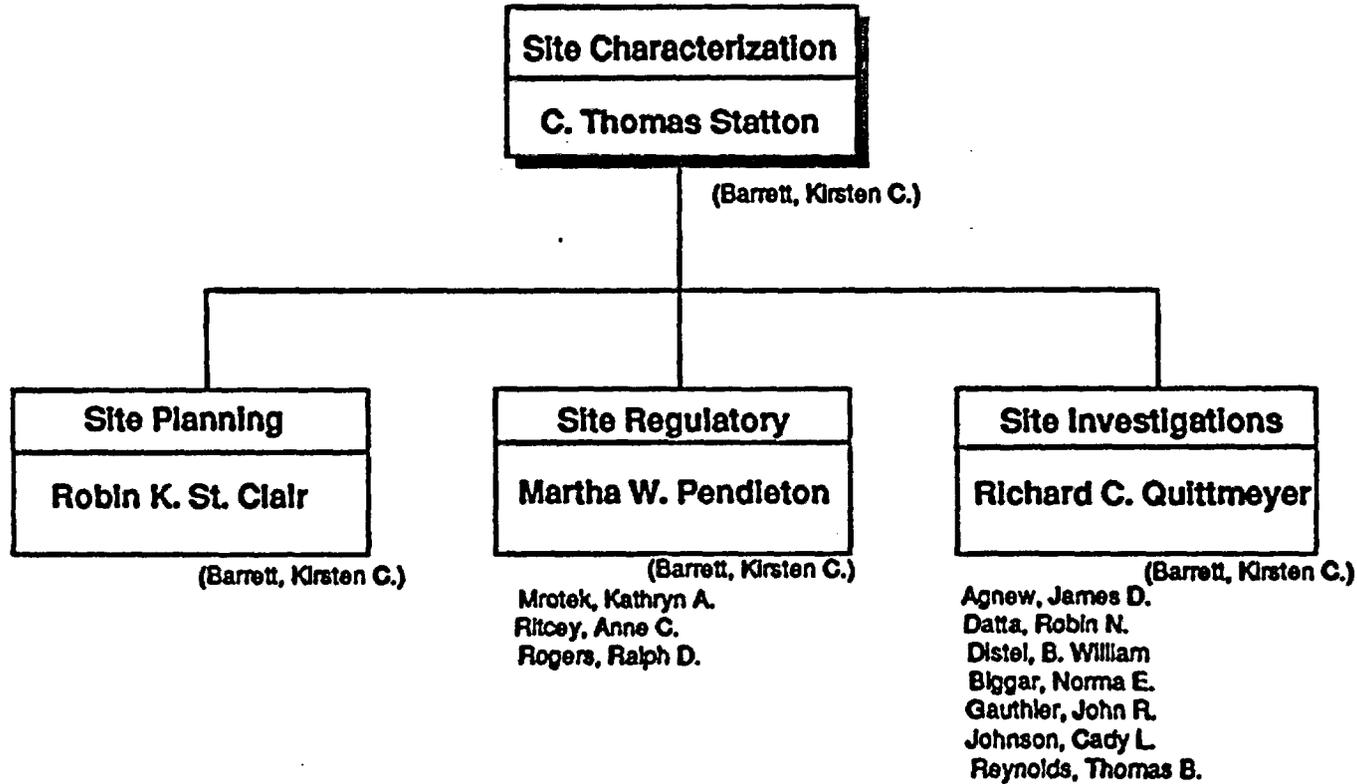
C. Thomas Statton

C. Thomas Statton, Manager
Site Characterization

L. D. Foust

L. D. Foust, Manager
Nevada Site

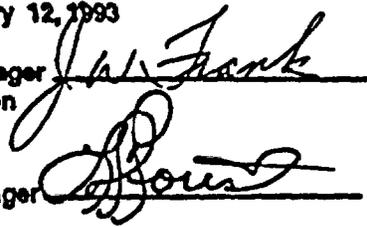
Site Characterization



Nevada Site

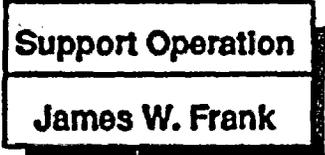
Revised: February 12, 1993

James W. Frank, Manager
Support Operation



D. Foust, Manager
Nevada Site

Support Operations



(Valadez, Yolanda T.)

Records Management
Thomas Reding

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Fatimah Afshar

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- Badredine, Terri L.
- Bolden, Sandra Y.
- Bowlinger, Scott K.
- Calovini Jennifer M.
- Caselli, Toni
- Chaffin, Novella F.
- Dawson, Sharon D.
- DiSabato, James J.
- Eason, Ruby G.
- Ebner, Hans
- Foster, Rhonda J.
- Griffith, Rhonda J.
- Herbert, Judy K.
- Houston, Gallnd A.
- Jackson, Eta J.
- Jerome, Kathleen M.

- Kau, Geraldine K.
- Keener, Kenneth R.
- Lee, Lynda J.
- Lytel, Larry W.
- Mooney, Christine M.
- Napolitano, Vincent J.
- Patti, Nicholas
- Pinloi, Debra N.
- Quinnell, Kim L.
- Rixford, Carol A.
- Roberts, Pamela A.
- Smith William C.
- Underwood, Ines
- Usigbe, Melissa A.
- Walker, John M.
- Wetzel, Judith A.
- Worcester, Kelly J.

- Banta, Paul
- Bishop, James R.
- Engel, Aaron
- Gutierrez III, Gabriel L.
- Hodgson, Betty L.
- Johnson, Carole S.
- Kiduff, Susan B.
- Leake, Harry E.
- Maul, Richard K.
- Schrock, William R.
- Stilliman, Bradford E.
- Uyan, Gunay F.

(Sandifer, Carole)

- Branum, Kandace M.
- Coombs, Janice M.
- Higgins, Mona E.
- Hoopllalni, Edgar A.
- Janis, Gary J.
- Kidd, Ulrica
- Lacey, Sandra J.
- Moore, Sandra L.
- Nusbaum, MaryAnn C.
- Obrad, Vicky A.
- Poulos, Christina M.
- Roberts, Teresa F.
- Stonebraker, Sue C.
- Tate, Bryan K.
- Turnbull, Shella I.

- Bradley, Lynn J.
- Caruth, Stacy A.
- Cuba, Lawrence, L.
- Kettell, Jan R.
- Martin, Melinda M.
- Millinchuk, Cathy A.
- Plumley, Beverly J.
- Roberts, Lisa G.
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- Tate, Laura M.
- Wheeler, Suzette T.

Nevada Site

Revised: February 12, 1992

Jean L. Younker
Jean L. Younker, Manager
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D. Foust
D. Foust, Manager
Nevada Site

Systems

Systems
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(Howell, Jayne)

Senior Staff
Durward I. Hulbert
(Howell, Jayne)

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(Muehl, Candace L.)

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(Fleisher, Jodi)
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Ungolini, Suresh
Mann, Ezra B.
Mishra, Srikanta
Nelson, R. William
Paleologos, Evan K.
Houseworth, James

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Asakura, Takazumi

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Goewert, Clemens J.
Hoffman, Lynn V.
Leonard, J. Randy
Le Roy, Steven E.
Nesbit, Steven P.

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BADREDINE, TERRI	702-794-7485	M&O/TRW	VERDEN
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BALI, MRINAL M.	704-382-1257	M&O/ED/NC	SEGREST
BANNOUT, SAMIR M.	703-204-8825	M&O/TRW/VA	CARRUTH
BANTA, PAUL	702-794-7705	M&O/TRW	LOW
BARRETT, KIRSTEN C.	702-794-1812	M&O/TRW	CLARK
BASHAM, BENJAMIN	703-204-8739	M&O/GPWA/VA	LENTZ
BASS, SUZANNE	702-794-1813	M&O/TRW	ABEL
BAVIELLO, LINDA M.	703-204-8985	M&O/TRW/VA	WHITE
BAXTER, KARIN L.	703-204-8510	M&O/TRW/VA	YORK
BAY, SUSAN M.	703-204-8553	M&O/TRW/VA	PAIGE
BELL, PEGGY	703-204-8582	M&O/TRW/VA	MCDONNELL
BELLINGER, DWIGHT	703-204-8773	M&O/GPWA/VA	GODMAN
BENTON, HUGH A.	702-794-1891	M&O/B&W	FOUST
BERKOWITZ, LESTER	202-488-2309	M&O/TRW/DC	GRIFFIN
BERNHARDT, BARBARA	703-204-8533	M&O/TRW/VA	MCDONNELL
BEYER, JAMES R.	702-794-1855	M&O/DUKE	FREDRICKSON
BHATTACHARYYA, KAL K.	702-794-1872	M&O/MK	MCKIE
BIGGAR, NORMA E.	702-794-7428	M&O/WCFS	BARRETT
BIRCH, MARY L.	703-204-8862	M&O/DUKE/VA	GRIFFIN
BISHOP, JAMES R.	702-794-7671	M&O/TRW	LOW
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BODNAR, STEPHEN J.	702-794-1840	M&O/TRW	SCHUTT
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BOLDEN, SANDRA Y.	702-794-5305	M&O/TRW	VERDEN
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BOURSCHIED, VERONICA	703-204-8567	M&O/TRW/VA	GODMAN
BOWAN, SHELLY K.	703-204-8656	M&O/TRW/VA	FLOURNOY
BOWER, TAMARA	703-204-8670	M&O/TRW/VA	MCALICE
BOWLING, TED J.	703-204-8874	M&O/DUKE/VA	GRIFFIN
BOWLINGER, SCOTT K.	702-295-5935	M&O/TRW	VERDEN
BOYT, GEORGE R.	703-204-8911	M&O/TRW/VA	TEER
BRACKETT, R. JAMES J.	703-204-8760	M&O/DUKE/VA	ROBERTSON
BRADEN, PATRICIA J.	703-204-8760	M&O/DUKE/VA	ROBERTSON
BRADLEY, LYNN J.	702-794-5344	M&O/TRW	VERDEN
BRADLEY, WILLIAM	704-382-0502	M&O/DUKE/NC	BRACKETT
BRAGG, DARYL	704-382-0502	M&O/FD/NC	SEGREST
BRANDSTETTER, ALBIN	702-794-7279	M&O/INTERA	SCHUTT
BRANUM, KANDACE M.	702-794-7408	M&O/TRW	ZIMMERMAN
BROOME, BOBBY H.	704-373-2478	M&O/DUKE/NC	SEGREST
BRUCH, CARL E.	702-794-7750	M&O/TRW	MANN
BRUNO, THOMAS J.	703-204-8922	M&O/TRW/VA	MILLER
BUCKEY, CHARLES F.	702-794-7180	M&O/TRW	HAHN
BUPP, FRANK E.	702-794-7297	M&O/TRW	SCHUTT
BURKE, PETER R.	702-794-7426	M&O/TRW	ABEL
BURNS, JOHN A.	703-204-8563	M&O/JKA/VA	TAYLOR
BURROLA, BARBARA R.	702-794-7756	M&O/TRW	HANNIGAN
BURTON, EDWARD	703-803-5271	M&O/GPWA/VA	WALTERS
BUTLER, DIANA R.	703-204-8551	M&O/TRW/VA	PAIGE
BUTLER, SUZANNE L.	703-204-8678	M&O/GPWA/VA	LENTZ
BUXTON, DONALD G.	703-204-8821	M&O/TRW/VA	CARRUTH
BYRNE, JAMES T.	702-794-5342	M&O/TRW	SCHUTT
BYRNE, SCOTT	703-204-8846	M&O/TRW/VA	SACKS
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CALOVINI, JENNIFER M.	702-794-5312	M&O/TRW	VERDEN
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CAPRONI, CONNIE	703-204-8667	M&O/TRW/VA	MCALICE
CARPENTER, MARGARET	703-204-8572	M&O/TRW/VA	YORK
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CARTY, AIMEE G.	703-204-8890	M&O/TRW/VA	GODMAN
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CHEATHAM, EDWIN	202-488-2311	M&O/DUKE/DC	MEDFORD

YUCON MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

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CUMMINGS, S. MARTIN	703-204-8501	M&O/TRW/VA	SKRINAK
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DAVIS, CAROL	703-204-9722	M&C/TRW/VA	SKRINAK
DAWSON, DAVID	703-204-8928	M&O/JAI/VA	VANTER
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DICKERSON, G. FIELDEN	703-204-8873	M&O/RDA/VA	GRIFFIN
DISABATO, JAMES J.	702-794-5316	M&O/TRW	RIXFORD
DISTEL, B. WILLIAM	702-794-1827	M&O/WCFS	STATTON
DOAN, JENNIFER	703-204-8708	M&O/TRW/VA	LENTZ
DOERING, THOMAS W.	702-794-1857	M&O/B&W	BENTON
DOKUZOGUZ, HALIT Z.	702-794-7642	M&O/FD	CLARK
DONAHUE, JEANNIE	703-204-8594	M&O/TRW/VA	LENTZ
DUGUID, JAMES O.	703-204-8851	M&O/INTERA/VA	SAREEN
DUNN, PHILIP M.	703-204-8881	M&O/TRW/VA	GRIFFIN

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

<u>NAME</u>	<u>PHONE</u>	<u>ORG.</u>	<u>REPORTS TO</u>
DURAND, STACEY	703-204-8619	M&O/TRW/VA	MCALICE
EASON, RUBY G.	702-794-7792	M&O/TRW	VERDEN
EAVES, TOMMY F.	703-204-8759	M&O/DUKE/VA	BRACKETT
EBLE, ROBERT G.	704-373-5174	M&O/DUKE/NC	SEGREST
EBNER, HANS	702-794-7253	M&O/TRW	VERDEN
EDWARDS, H. GENE	704-373-8273	M&O/DUKE/NC	SEGREST
EGICHEL, RICHARD A.	702-794-5375	M&O/TRW	AFSHAR
EMAMI, FLORA F.	703-204-8748	M&O/TRW/VA	BAILEY
EMBREY, LINDA M.	703-204-8725	M&O/TRW/VA	YORK
EMIRBAYER, DONALD	703-204-8682	M&O/GPWA/VA	CARRUTH
ENGEL, AARON	702-794-7231	M&O/TRW	LOW
ENGWALL, LARRY G.	702-794-1826	M&O/FD	SCHUTT
ENTWISTLE, GEOFFREY	703-204-8841	M&O/TRW/VA	SAREEN
ETZ, WILLIAM	703-204-8915	M&O/JAI/VA	COLE
EVANS, DAVID D.	703-204-8512	M&O/TRW/VA	ROBERTSON
EVANS, LINDA J.	702-794-7693	M&O/TRW	JACKSON
EVANS-JENNINGS, BRENDA	703-204-8615	M&O/TRW/VA	YORK
FADELER, MAYNARD S.	703-204-8644	M&O/TRW/VA	STERN
FARBER, MICHAEL	703-204-8681	M&O/TRW/VA	LENTZ
FARRIES, TOM A.	703-204-8810	M&O/FD/VA	GODMAN
FARMER, WILLIAM T.	703-204-8754	M&O/DUKE/VA	BRACKETT
FARNSWORTH, SARAH	703-204-8989	M&O/TRW/VA	WHITE
FARRELL, JOHN J.	703-204-8565	M&O/TRW/VA	GREENBERG
FARUQUE, MOHUDDIN	703-204-8838	M&O/TRW/VA	SAREEN
FELLMAN, STEVEN	703-204-8675	M&O/TRW/VA	YORK
FELTER, JOHN	703-204-8675	M&O/TRW/VA	GODMAN
FENSTER, DAVE	202-488-2315	M&O/WCFS/DC	GRIFFIN
FILLYAW, L. VANETTE	703-204-8622	M&O/GPWA/VA	LENTZ
FISH, ROBERT L.	702-794-1805	M&O/B&W	BENTON
FISHER, MICHAEL J.	703-204-8688	M&O/GPWA/VA	LENTZ
FISHER, TIMOTHY M.	702-794-7794	M&O/TRW	BURKE
FLEMING, MARK E.	703-204-8749	M&O/TRW/VA	BAILEY
FLOURNOY, DANIEL B.	703-204-8564	M&O/TRW/VA	STERN
FORD, LAWRENCE M.	703-204-8732	M&O/TRW/VA	BAILEY
FORREST, SHELBY	703-803-5272	M&O/GPWA/VA	WALTERS
FORTSCH, E. M.	702-794-1815	M&O/FD	FREDRICKSON
FOSTER, ALBERTA L.	702-794-7792	M&O/TRW	VERDEN
FOSTER, VALERIE A.	703-204-8655	M&O/TRW/VA	YORK
FOUST, L. DALE	702-794-1804	M&O/TRW	ROBERTSON
FOX, CHARLES R.	703-794-7545	M&O/TRW	HURST
FOX, ERIC	703-204-8856	M&O/TRW/VA	SACKS
FRANCIS, DONNA I.	702-794-7844	M&O/TRW	HANNIGAN
FRANK, DAWN M.	703-204-8683	M&O/GPWA/VA	LENTZ
FRANK, JAMES W.	702-794-7294	M&O/TRW	FOUST
FRANKLIN, DANIEL B.	702-794-7636	M&O/TRW	SPIRO
FREDERICK, RAYMOND	703-204-8683	M&O/GPWA/VA	WALTERS
FREEMAN, THURL	704-382-2524	M&O/FD/NC	SEGREST
FRENCH, BILL	702-794-5387	M&O/TRW	DELEON
FRIER, JAMIE D.	702-794-5310	M&O/TRW	HANNIGAN
GALLETTA, MARK	703-204-8663	M&O/TRW/VA	PLEBUCH

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

<u>NAME</u>	<u>PHONE</u>	<u>ORG.</u>	<u>REPORTS TO</u>
GARDNER, JEFFREY	702-794-7435	M&O/TRW	GEER
GAUTHIER, JOHN R.	702-794-1866	M&O/WCFS	YOUNKER
GEER, THOMAS C.	702-794-7868	M&O/DUKE	FOUST
GIBSON, SHERRILL E.	703-204-8612	M&O/TRW/VA	YORK
GILL, JAMES	702-794-7999	M&O/TRW	ENGWALL
GILLIES, HEATHER L.	703-204-8914	M&O/TRW/VA	TEER
GIWANI, KUMAR	702-794-5371	M&O/TRW	ENGWALL
GODMAN, RAYMOND W.	703-204-8605	M&O/TRW/VA	ROBERTSON
GOEWERT, CLEMENS J.	702-794-1859	M&O/FD	LUGO
GORMALLY, MICHAEL J.	703-204-8898	M&O/TRW/VA	FADER
GOTTLIEB, PETER	703-204-8733	M&O/TRW/VA	BAILEY
GOTTLIEB, PETER	703-794-5342	M&O/TRW	BENTON
GRADY, D. RONALD	704-382-1227	M&O/DUKE/NC	SEGREST
GREEN, KELLY M.	703-204-8983	M&O/TRW/VA	WHITE
GREEN, LAWRENCE M.	703-204-8853	M&O/TRW/VA	SAREEN
GREENBERG, ARTHUR B.	703-204-8610	M&O/RDA/VA	ROBERTSON
GREENE, MELVIN N.	704-382-3007	M&O/DUKE/NC	SEGREST
GRIFFIN, ARTHUR M.	703-204-8826	M&O/TRW/VA	CARRUTH
GRIFFIN, WILLIAM R.	703-204-8887	M&O/FD/VA	GREENBERG
GRIFFITH, RHONDA J.	702-295-5937	M&O/TRW	VERDEN
GUTIERREZ, LESLY A.	702-794-1886	M&O/TRW	ABEL
GUTIERREZ, RON	702-794-5388	M&O/TRW	DELEON
GUTIERREZ III, GABRIEL L.	702-794-7625	M&O/TRW	FOUST
HAAS, SARAH M.	702-794-7407	M&O/TRW	HANNIGAN
HADFIELD, DARRELL W.	703-204-8845	M&O/RDA/VA	SAREEN
HADLEY, JENNIFER D.	704-382-2901	M&O/DUKE/NC	SEGREST
HAGHI, M. ALI	703-204-8867	M&O/DUKE/VA	GRIFFIN
HAHN, ARTHUR P.	702-794-1860	M&O/TRW	SCHUTT
HALLNOR, GEORGE H.	703-204-8684	M&O/GPWA/VA	LENTZ
HANBY, VALERIE	703-204-8757	M&O/TRW/VA	LENTZ
HANNA, GLORIA	703-204-8621	M&O/GPWA/VA	LENTZ
HANNIGAN, MAGDELENA G.	702-794-1823	M&O/TRW	ABEL
HARDISON, JENNIFER L.	703-204-8984	M&O/TRW/VA	WHITE
HARRIS, VIRGINIA A.	703-204-8755	M&O/TRW/VA	BRACKETT
HARTMAN, HOLLISTER A.	702-794-7851	M&O/TRW	YOUNKER
HARTZE, TERESA	702-794-5314	M&O/TRW	LEE
HARVEY, DENISE	703-204-8730	M&O/TRW/VA	CARRUTH
HASTINGS, BRUCE	703-204-8854	M&O/INTERA/VA	SAREEN
HASTINGS, PETER S.	704-382-2866	M&O/DUKE/NC	SEGREST
HATHCOCK, PHILIP	704-373-2849	M&O/DUKE/NC	SEGREST
HAYES, JOEL	702-794-5361	M&O/TRW	LEE
HAYOZ, FREDERIC P.	703-204-8848	M&O/TRW/VA	SAREEN
HEBERT, TINA P.	703-204-8813	M&O/TRW/VA	LENTZ
HEINER, MIKE	702-794-5312	M&O/TRW	DELEON
HELVEY, ELIZABETH A.	703-204-8882	M&O/JKA/VA	GRIFFIN
HENDERSON, NORMAN C.	703-204-8864	M&O/TRW/VA	GRIFFIN
HERBERT, JUDY K.	702-794-7497	M&O/TRW	RIXFORD
HERBERT, JUDY K.	702-794-7792	M&O/TRW	LEE
HIGGINS, MONA E.	702-794-7346	M&O/TRW	ZIMMERMAN
HIGGINS, W. KEITH	202-488-2321	M&O/DUKE/NC	MEDFORD
HIGH, STACY	703-204-8593	M&O/TRW/VA	PLEBUCH
HIGHBERGER, PAUL	703-204-8926	M&O/JAI/VA	TEER

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

<u>NAME</u>	<u>PHONE</u>	<u>ORG.</u>	<u>REPORTS TO</u>
HINTON, QUINCEY H.	202-488-2300	M&O/TRW/DC	PAIGE
HODGSON, ELIZABETH L.	702-794-7027	M&O/TRW	LOW
HODGSON, NATHANIEL W.	702-794-1814	M&O/TRW	JACKSON
HODSON, WILLIAM M.	703-204-8837	M&O/TRW/VA	SAREEN
HOFFMAN, LYNN V.	702-794-7937	M&O/TRW	LUGO
HOFFMAN, STEVEN	703-204-8775	M&O/TRW/VA	BRACKETT
HOLLAND, GEORGE P.	702-794-5385	M&O/TRW	ENGWALL
HOLLOWAY, WILLIAM R.	703-204-8741	M&O/TRW/VA	BAILEY
HOLLOMAN, LYNDON E.	703-204-8645	M&O/TRW/VA	FADER
HOLMES, MARGARET	703-204-8916	M&O/TRW/VA	COLE
HOPIIAINA, EDGAR A.	702-794-7688	M&O/TRW	ZIMMERMAN
HORSMON, PHIL R.	703-204-8768	M&O/DUKE/VA	BRACKETT
HOSKINS, ANTHONY	703-204-8660	M&O/TRW/VA	PLEBUCH
HOSKINS, DENNIS	703-204-8596	M&O/GPWA/VA	CARRUTH
HOUSTON, CELISTER J.	702-794-1874	M&O/TRW	CRUZ
HOUSTON, GAILIND A.	702-794-7252	M&O/TRW	VERDEN
HOUSTON, SCOTT E.	704-382-3079	M&O/FD/NC	SEGREST
HOWARD, FAYE	703-204-8626	M&O/TRW/VA	YORK
HOWARD, TERILYN B.	703-204-8653	M&O/TRW/VA	FLOURNOY
HOWELL, CECILE J.	702-794-7750	M&O/TRW	HANNIGAN
HOWELL, ROBERT E.	704-382-3008	M&O/DUKE/NC	SEGREST
HOYT, ROBERT	703-204-8999	M&O/TRW/VA	PAIGE
HUGHES, SUSAN O.	704-382-2366	M&O/DUKE/NC	SEGREST
HUNDLEY, TERRI E.	703-204-8573	M&O/TRW/VA	YORK
HUNT, WILLIAM R.	704-382-1426	M&O/DUKE/NC	BRACKETT
HUNTER, LOUIS	703-204-8538	M&O/TRW/VA	YORK
HUNTLEY, HAROLD	703-204-8948	M&O/TRW/VA	PAIGE
HURST, BRENT R.	702-794-1835	M&O/MK	MCKIE
HUSTON, JOYCE A.	702-794-7359	M&O/TRW	BURKE
HUTCHINSON, CHARLES	703-204-8798	M&O/GPWA/VA	LENTZ
HYLER, DONALD	703-804-5274	M&O/GPWA/VA	WALTERS
INGUILLO, MAMIE L.	703-204-8879	M&O/TRW/VA	GRIFFIN
JACKSON, CONNIE	703-204-8897	M&O/TRW/VA	VANTER
JACKSON, ELLA J.	702-794-7397	M&O/TRW	VERDEN
JACKSON, JACK A.	702-794-1825	M&O/TRW	FOUST
JACKSON, JEWEL	703-204-8990	M&O/TRW/VA	YORK
JACOBS, LARRY	703-204-8990	M&O/GPWA/VA	LENTZ
JACOBSON, JO ANNE P.	702-794-7536	M&O/TRW	VERDEN
JANATO, BRAD	702-794-5383	M&O/TRW	ENGWALL
JANIS, GARY J.	702-794-7607	M&O/TRW	ZIMMERMAN
JARETT, EDWARD	703-204-8650	M&O/GPWA/VA	LENTZ
JASEKT, NOREEN	512-346-2000	M&O/INTERA/TX	VANLUIK
JENKINS, ALVIN L.	703-204-8795	M&O/BWFC/VA	CARRUTH
JEREZ, DEBRA	703-204-8886	M&O/WCFS/VA	GRIFFIN
JERNIGAN, STEPHEN S.	702-794-7845	M&O/TRW	GEER
JEROME, KATHLEEN M.	702-794-5319	M&O/TRW	VERDEN
JIU, RICHARD	702-794-1879	M&O/TRW	FOUST
JOHNSON, CADY	702-794-1893	M&O/WCFS	STATTON
JOHNSON, CAROLE S.	702-794-7543	M&O/TRW	LOW
JOHNSON, CHARLES	703-204-8632	M&O/TRW/VA	MCALICE
JOHNSON, DOUGLAS L.	703-204-8927	M&O/TRW/VA	TEER

CRWMS YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

<u>REPORT</u>	<u>NAME</u>	<u>PHONE</u>	<u>ORG.</u>	<u>REPORTS TO</u>
	JOHNSON, EDWAY R.	703-359-9355	M&O/JAI/VA	VAWTER
	JOHNSON, JAMES	510-543-7352	M&O/DUKE/NC	SEGREST
	JOHNSON, LEON	510-543-7352	M&O/TRW/VA	MILLER
	JOHNSON, LIESJE	703-204-8988	M&O/TRW/VA	WHITE
	JOHNSON, RICHARD	703-830-5268	M&O/GPWA/VA	WALTERS
	JOHNSON, SHERYL L.	702-794-7708	M&O/TRW	BURKE
	JOHNSON II, E. RICHARD	703-204-8912	M&O/JAI/VA	TEER
	JOHNSTON, JUDITH	703-204-8940	M&O/TRW/VA	YORK
	JOHNSTON, LINDA	703-204-8588	M&O/TRW/VA	MCDONNELL
	JONES, DAVID C.	703-359-9355	M&O/JAI/VA	BAILEY
	JONES, KRISTINE E.	703-204-8555	M&O/TRW/VA	MCDONNELL
	JONES, NILE O.	702-794-7398	M&O/TRW	SCHUTT
	JUNKIN, PRESTON D.	703-204-8696	M&O/GPWA/VA	LENTZ
	JUSTICE, B. ROBERT	702-794-1882	M&O/DUKE	JACKSON
	JUSTICE, JUDY B.	702-794-1881	M&O/DUKE	FOUST
	KAISH, TODD A.	702-794-1818	M&O/DUKE	FOUST
	KAPUS, SUSAN	703-204-8531	M&O/TRW/VA	PAIGE
	KARL, DENISE T.	703-204-8666	M&O/TRW/VA	PAIGE
	KAU, GERALDINE K.	702-794-7792	M&O/TRW	VERDEN
	KEENER, KENNETH R.	702-794-1887	M&O/TRW	VERDEN
	KELLER, KEITH	703-803-5884	M&O/GPWA/VA	SHEPARD
	KELLER, W. JOSEPH	703-204-8944	M&O/TRW/VA	YORK
	KELLY, CHRISTOPER	703-204-8547	M&O/TRW/VA	CHULICK
	KELLY, RONALD F.	703-204-8919	M&O/JAI/VA	TEER
	KEPLER, MARY L.	702-794-7523	M&O/TRW	FOUST
	KERR, DAVID E.	702-794-7214	M&O/TRW	HURST
	KERRIGAN, CAMILLE L.	703-204-8843	M&O/TRW/VA	SAREN
	KETTELL, JAN R.	702-794-7533	M&O/TRW	VERDEN
	KIDD, ULRICA	702-794-7668	M&O/TRW	VERDEN
	KILDUFF, SUSAN B.	702-794-7651	M&O/TRW	LOW
	KING, JOHN F.	703-204-8740	M&O/TRW/VA	BAILEY
	KING, LINDA J.	703-204-8834	M&O/TRW/VA	RIDOLPHI
	KINNARD, MICHAEL W.	702-794-5337	M&O/B&W	SCHUTT
	KLOSE, MARLISE	703-204-8931	M&O/TRW/VA	COLE
	KOLB, JOHN	703-204-8658	M&O/GPWA/VA	PLEBUCH
	KRISHNA, PAUL	202-488-2303	M&O/TRW/DC	GRIFFIN
	KUBO, ARTHUR S.	703-204-8680	M&O/TRW/VA	ROBERTSON
	KUMAR, SUNITA	202-488-2314	M&O/DUKE/DC	MEDFORD
	KUSEK, PAT O.	703-204-8522	M&O/DUKE/VA	CARTER
	KUTINAC, BETTY J.	702-794-7680	M&O/TRW	FOUST
	LACEY, SANDRA J.	702-794-5322	M&O/TRW	ZIMMERMAN
	LAMANNA, JIM D.	702-794-7418	M&O/TRW	HANNIGAN
	LANE, FRANK A.	703-204-8788	M&O/ED/VA	CARRUTH
	LANG, HANK S.	703-204-8868	M&O/RDA/VA	GRIFFIN
	LANGTON, RUANE L.	703-204-8518	M&O/TRW/VA	CARTER
	LARKIN, JOYCE	703-204-8614	M&O/TRW/VA	PLEBUCH
	LARKIN, ROBERT J.	703-204-8641	M&O/TRW/VA	FADER
	LAW, WILLIAM P.	703-204-8812	M&O/TRW/VA	CARRUTH
	LAWRENCE, SAMUEL P.	704-382-1379	M&O/ED/NC	SEGREST
	LEAKE, HARRY E.	702-794-7705	M&O/TRW	LOW
	LEE, LAJUAN A.	703-204-8958	M&O/TRW/VA	YORK

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

<u>NAME</u>	<u>PHONE</u>	<u>ORG.</u>	<u>REPORTS TO</u>
LEE, LYNDA J.	702-794-7370	M&O/TRW	VERDEN
LEKICH, PETER	704-382-2527	M&O/FD/NC	SEGREST
LEMMON, JO ANN	703-204-8537	M&O/TRW/VA	MCDONNELL
LENNON, JANULYN	703-204-8625	M&O/TRW/VA	YORK
LENTZ, PAMELA C.	703-204-8519	M&O/TRW/VA	SKRINAK
LEONARD, ERNEST	703-204-8917	M&O/TRW/VA	COLE
LEONARD, RANDY	704-373-2478	M&O/DUKE/NC	SEGREST
LEONARD, WILFRED J.	702-794-1861	M&O/FD	LUGO
LEONARDO, M. KATHRYN	703-204-8776	M&O/TRW/VA	CARRUTH
LEROY, STEVEN E.	702-794-7836	M&O/DUKE	FOUST
LEVINE, SEYMOUR E.	703-204-8643	M&O/TRW/VA	FADER
LEVY, JUDY E.	703-204-8536	M&O/TRW/VA	MCDONNELL
LEWIS, ROBERT F.	702-794-7993	M&O/TRW	YOUNKER
LIM, JEFFERY	703-204-8737	M&O/TRW/VA	CARRUTH
LINDSAY, LARRY A.	703-204-8815	M&O/TRW/VA	CARRUTH
LINDSEY, CYNTHIA M.	703-204-8744	M&O/TRW/VA	BAILEY
LINDSEY, WILLIAM	703-804-5529	M&O/GPWA/VA	LENTZ
LOVETT, PHYLLIS M.	703-204-8828	M&O/TRW/VA	CARRUTH
LOW, JAMES	702-794-7664	M&O/TRW	FOUST
LUGO, MIGUEL A.	702-794-7830	M&O/TRW	YOUNKER
LYTEL, LARRY W.	702-794-7209	M&O/TRW	VERDEN
MACDONALD, RONALD R.	703-204-8924	M&O/JAI/VA	COLE
MACE, ANNE E.	703-204-8839	M&O/TRW/VA	SAREEN
MACKAY, SCOT	202-488-2310	M&O/TRW/VA	MILLER
MAINELLO, VICKI S.	703-204-8552	M&O/TRW/VA	PAIGE
MAIORANA, SANDRA	703-204-8636	M&O/TRW/VA	STERN
MAKAENA, CAROLYN L.	702-794-1839	M&O/TRW	HANNIGAN
MANN, E. BARTLETT	702-794-7609	M&O/INTERA	YOUNKER
MARCOM, STEVE	703-204-8639	M&O/GPWA/VA	LENTZ
MARRUJO, ANTHONY	702-794-5341	M&O/TRW	CRUZ
MARTEL, LOUIS J.	703-204-8539	M&O/TRW/VA	MCDONNELL
MARTIN, MELINDA M.	702-794-7031	M&O/TRW	MERDEN
MARTONE, CAROL	703-204-8603	M&O/TRW/VA	GODMAN
MASON, MICHAEL R.	703-204-8913	M&O/JAI/VA	TEER
MASSAGLIA, JOSEPH	703-204-8542	M&O/TRW/VA	KERRIGAN
MATYSKIELA, WALTER W.	703-204-8562	M&O/TRW/VA	TAYLOR
MAUL, RICHARD K.	702-794-7886	M&O/TRW	LOW
MAUPIN, JAMES L.	703-204-8865	M&O/MKE/VA	GRIFFIN
MAYER, JOHN T.	703-204-8934	M&O/BWFC/VA	TEER
MAZIARZ, MARTIN J.	703-204-8504	M&O/TRW/VA	PLEBUCH
MAZZOCCHI, LISA A.	703-204-8765	M&O/TRW/VA	PAIGE
MICALICE, MARILYN	703-204-8521	M&O/TRW/VA	STERN
MICALISTER, DIANE	702-794-7855	M&O/TRW	SCHUTT
MCCARTHY, JOHN	703-204-8936	M&O/TRW/VA	MILLER
MCCONAGHY, JOHN M.	704-373-7204	M&O/DUKE/NC	SEGREST
MCCORMIC, VAN S.	704-373-8811	M&O/DUKE/NC	SEGREST
MCDONALD, RICHARD C.	702-794-1820	M&O/MK	ALLAN
MCDONNELL, EDWARD J.	703-204-8556	M&O/TRW/VA	ROBERTSON
MCGAGH, KAREN C.	703-204-8517	M&O/TRW/VA	CARTER
MCGINNIS, CHARLES F.	704-382-3099	M&O/DUKE/NC	SEGREST
MCGRATH, MICHAEL J.	702-794-7739	M&O/TRW	CRUZ
MCGUINN, EDWARD J.	703-204-8869	M&O/BWFC/VA	GRIFFIN

DIR

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

<u>NAME</u>	<u>PHONE</u>	<u>ORG.</u>	<u>REPORTS TO</u>
MCGUINN, LISA	703-204-8895	M&O/TRW/VA	GRIFFIN
MCHENRY, ANDREA	703-204-8618	M&O/TRW/VA	YORK
MCIVORY, GEORGE	703-204-8679	M&O/TRW/VA	YORK
MCKENZIE, DANIEL G.	702-794-1863	M&O/MK	MCKIE
MCKERCHER, SHERYL A.	703-204-8575	M&O/TRW/VA	YORK
MCKIE, PAUL W.	702-794-1834	M&O/MK	CLARK
MCKINNON, BARBARA L.	702-794-7813	M&O/TRW	ABEL
MCLEOD, N. BARRIE	703-204-8915	M&O/JAI/VA	BAILEY/COLE
MCMURTHRIE, CYNTHIA	703-204-8715	M&O/TRW/VA	WHITE
MEDFORD, JAMES	202-488-2322	M&O/DUKE/DC	VANTER
MEISENHEIMER, ROBERT	703-204-8816	M&O/TRW/VA	CARRUTH
MIKKELSON, DEBORAH H.	702-794-7502	M&O/TRW	CRUZ
MILINCHUK, CATHY A.	702-794-7821	M&O/TRW	FOUST
MILLER, JOHN J.	703-204-8921	M&O/TRW/VA	VANTER
MONTAGUE, KELVIN J.	704-382-2924	M&O/DUKE/NC	SEGREST
MOOERS, KEVIN	703-803-5839	M&O/GPWA/VA	CARRUTH
MOONEY, CHRISTINE M.	702-794-7792	M&O/TRW	VERDEN
MOORE, DAVID R.	703-204-8820	M&O/TRW/VA	CARRUTH
MOORE, SANDRA L.	702-794-5327	M&O/TRW	ZIMMERMAN
MORELLI, JAMES C.	703-204-8778	M&O/TRW/VA	CARRUTH
MORGAN, JACQUELINE	703-204-8695	M&O/TRW/VA	MCALICE
MORGAN, ROBERT A.	703-204-8761	M&O/DUKE/VA	BRACKETT
MORGAN, ROBERT G.	703-204-8863	M&O/DUKE/VA	GRIFFIN
MOTON, SHARON	703-204-8988	M&O/TRW/VA	WHITE
MOULTRIE, CHELSEA	703-204-8589	M&O/TRW/VA	YORK
MROTEK, KATHRYN A.	702-794-5349	M&O/TRW	STATTON
MUEHL, CANDACE L.	702-794-7839	M&O/TRW	FOUST
MULLIGAN, JOHN	703-204-8787	M&O/GPWA/VA	SOLOMONSON
MYERS, KEITH A.	703-204-8543	M&O/TRW/VA	PAIGE
MYETTE, THOMAS F.	702-794-1876	M&O/TRW	SCHUTT
NAPOLITANI, VINCENT J.	702-295-5936	M&O/TRW	VERDEN
NASH, FRANK E.	703-204-8767	M&O/DUKE/VA	BRACKETT
NASSETTA, JENNIFER	703-204-8709	M&O/GPWA/VA	LENTZ
NEESE, TERRY A.	704-382-1095	M&O/FD/NC	SEGREST
NELSON, ANDREW	703-204-8676	M&O/GPWA/VA	LENTZ
NELSON, PATRICIA A.	702-794-1884	M&O/TRW	FOUST
NELSON, R. WILLIAM	702-794-1880	M&O/INTERA	YOUNKER
NESBITT, CHARLES J.	702-794-7125	M&O/TRW	SCHUTT
NEWMAN, EDWARD	703-204-8598	M&O/TRW/VA	LENTZ
NGUYEN, JOHN D.	703-204-8526	M&O/TRW/VA	PAIGE
NIESE, DIRK	703-204-8648	M&O/TRW/VA	MCALICE
NIESE, SANDRA	703-204-8535	M&O/TRW/VA	PAIGE
NITTI, DONALD A.	703-204-8731	M&O/BWFC/VA	BAILEY
NOLAN, DONALD J.	703-204-8935	M&O/JAI/VA	TEER
NORTON, JAMES	704-373-2478	M&O/DUKE/NC	SEGREST
NUNGESSER, MICHELLE	703-204-8550	M&O/TRW/VA	PAIGE
NUSBAUM, MARY ANN C.	702-794-5325	M&O/TRW	ZIMMERMAN
O'BRIEN, MARTHA	703-204-8635	M&O/TRW/VA	YORK
O'KEEFE, HUGH A.	702-794-5362	M&O/TRW	DELEON
OBER, FRANK	804-385-2659	M&O/BWFC/VA	WHITE
OBI, IJEOMA	703-204-8716	M&O/TRW/VA	YORK

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

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OBRAD, VICKY A.	702-794-5324	M&O/TRW	ZIMMERMAN
OLGUIN, LARRY J.	702-794-7297	M&O/TRW	PIMENTEL
OLIVER, CHARLES	704-373-6256	M&O/DUKE/NC	SEGREST
PACIOLLA, PATRICIA A.	703-204-8850	M&O/TRW/VA	SAREEN
PACKER, BONNIE M.	703-204-8747	M&O/TRW/VA	BAILEY
PACKER, JEFFREY	703-204-8875	M&O/TRW/VA	GRIFFIN
PAIGE, MICHAEL B.	703-204-8888	M&O/TRW/VA	ROBERTSON
PALEOLOGOS, EVEN K.	702-794-7288	M&O/TRW	MANN
PALMER, INGE	703-204-8523	M&O/GPWA/VA	CARRUTH
PARKER, DAVE	702-792-5392	M&O/TRW	ENGWALL
PARMER, REBECCA	703-204-8659	M&O/GPWA/VA	KIRK
PARRISH, LEOTIS L.	704-373-4155	M&O/DUKE/NC	SEGREST
PASSALACQUA, AUGUSTIN	702-792-5390	M&O/TRW	TAIPALE
PATTERSON, WENDY	702-794-5388	M&O/TRW	DELEON
PATTI, NICHOLAS	702-794-7792	M&O/TRW	VERDEN
PAYNE, LAURA L.	703-204-8780	M&O/TRW/VA	CARRUTH
PAYTON, NORMAN M.	703-204-8697	M&O/GPWA/VA	TEER
PECK, MILLARD	703-204-8955	M&O/JAI/VA	TEER
PEDERSON, ANN S.	703-204-8689	M&O/GPWA/VA	LENTZ
PEDERSON, BEVERLY A.	703-204-8790	M&O/TRW/VA	CARRUTH
PENDLETON, MARTHA W.	702-794-1828	M&O/WCFS	STATTON
PENHAKER, JOHN J.	703-204-8769	M&O/TRW/VA	CARRUTH
PENOVICH, MICHAEL F.	702-794-7120	M&O/B&W	FOUST
PETERS, JOHN W.	702-794-1862	M&O/MK	MCKIE
PETERS, KONRAD	703-204-8579	M&O/TRW/VA	PLEBUCH
PETRIE, WILLIAM L.	702-794-7364	M&O/FD	JACKSON
PETTIT, NEAL	704-382-0910	M&O/DUKE/NC	SAREEM
PFUFF, ROBERT J.	702-794-7692	M&O/TRW	ABEL
PHAM, QUYNH N.	703-204-8668	M&O/TRW/VA	PAIGE
PHILIP, CATHLEEN	703-204-8686	M&O/TRW/VA	PAIGE
PHILLIPS, LYNN M.	703-204-8500	M&O/TRW/VA	PAIGE
PIERCE, VERNON H.	704-382-2232	M&O/FD/NC	SEGREST
PIERRO, KEEN	702-794-1833	M&O/MK	MCKIE
PIMENTEL, PAUL A.	702-794-1848	M&O/TRW	SANDIFER
PINIOL, DEBRA N.	702-794-7252	M&O/TRW	VERDEN
PLEBUCH, DONALD A.	703-204-8592	M&O/TRW/VA	SKRINAK
PLUMLEY, BEVERLY J.	702-794-7282	M&O/TRW	VERDEN
POE, GENA Y.	703-204-8791	M&O/TRW/VA	MILLER
PORTER, TERRY B.	703-204-8943	M&O/TRW/VA	YORK
PORTIS, MICHAEL	703-204-8736	M&O/GPWA/VA	LENTZ
PORTMAN, ROBIN	703-204-8930	M&O/TRW/VA	LENTZ
POTTS, KYRA L.	703-204-8516	M&O/TRW/VA	CARTER
POULOS, CHRISTINA M.	702-794-5326	M&O/TRW	ZIMMERMAN
POWELL, RONALD C.	704-382-2933	M&O/DUKE/VA	SEGREST
PRINCE, KENNETH	703-204-8624	M&O/TRW/VA	YORK
PRUDENCE, CHARLES E.	703-204-8693	M&O/GPWA/VA	LENTZ
PULLEN, DAVID C.	704-373-2895	M&O/DUKE/NC	SEGREST
PULLUM, KATHRYN	702-794-1800	M&O/TRW	HANNIGAN
QUINNELL, KIM L.	702-794-7208	M&O/TRW	VERDEN
QUITTMAYER, RICHARD C.	702-794-1864	M&O/WCFS	STATTON
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YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

<u>NAME</u>	<u>PHONE</u>	<u>OFF.</u>	<u>REPORTS TO</u>
RASMUSSEN, SCOTT D.	703-204-8792	M&O/TRW/VA	GRIFFIN
RAWSON, GLEN	703-204-8858	M&O/RDA/VA	SAREEN
RAY, EVERETT E.	703-204-8558	M&O/TRW/VA	PLEBUCH
RAY, JEFFERY S.	703-204-8956	M&O/TRW/VA	MEDFORD
READING, CATHERINE	703-204-8569	M&O/TRW/VA	YORK
REEVE, KAREN C.	702-794-7916	M&O/TRW	FOUST
REEVES, JOHN H.	703-204-8885	M&O/DUKE/VA	GRIFFIN
REEVES, MARK	512-346-2000	M&O/INTERA/TX	VANLUICK
REYNOLDS, THOMAS B.	702-794-7106	M&O/TRW	STATTON
RHOADS, BARBARA D.	702-794-5309	M&O/TRW	ABEL
RHODES, CAROL J.	703-204-8860	M&O/TRW/VA	SAREEN
RICCA, NANCY A.	703-204-8514	M&O/TRW/VA	TAYLOR
RICKERTSEN, LARRY	703-204-8587	M&O/TRW/VA	TAYLOR
RIDOLPHI, FRANK	703-204-8833	M&O/TRW/VA	GREENBERG
RILEY, STEPHEN	703-803-4928	M&O/GPWA/VA	CARRUTH
RINDSKOPF, MILTON S.	702-794-7628	M&O/TRW	SHUTT
RITCEY, ANNE C.	702-794-7686	M&O/WCFS	STATTON
RITTER, ARLENE H.	704-373-2478	M&O/DUKE/NC	SEGREST
RIVKIN, CHUCK	702-794-7784	M&O/ED	ENGWALL
RIXFORD, CAROL A.	702-794-5315	M&O/TRW	VERDEN
RIXFORD, ROBERT L.	702-794-7040	M&O/TRW	LUGO
ROBERTS, KEITH W.	703-204-8585	M&O/TRW/VA	PAIGE
ROBERTS, LISA G.	702-794-7889	M&O/TRW	VERDEN
ROBERTS, PAMELA A.	702-794-7373	M&O/TRW	RIXFORD
ROBERTS, TERESA F.	702-794-7406	M&O/TRW	ZIMMERMAN
ROBERTSON, DONALD L.	703-204-8750	M&O/ED/VA	BAILEY
ROBERTSON, JAMES L.	702-794-5329	M&O/TRW	CRUZ
ROBERTSON, LESLIE G.	703-204-8572	M&O/TRW/VA	YORK
ROBERTSON, LEW	703-204-8638	M&O/TRW/VA	SKRINAK
ROBERTSON, ROLAND L.	703-204-8600	M&O/TRW/VA	STENBIT
ROBINSON, SHEILA F.	703-204-8779	M&O/TRW/VA	CARRUTH
RODRIGUEZ, THERESE M.	702-794-7405	M&O/TRW	VERDEN
ROGERS, GARY U.	703-204-8822	M&O/TRW/VA	CARRUTH
ROGERS, RALPH D.	702-794-1892	M&O/WCFS	STATTON
ROGERS, TIMI	703-204-8647	M&O/TRW/VA	PLEBUCH
RONES, GWENDOLYN W.	703-204-8646	M&O/TRW/VA	YORK
ROSE, MARC	703-204-8831	M&O/TRW/VA	SACKS
ROUNDS, CHERYL D.	703-204-8669	M&O/TRW/VA	MCALICE
ROZIER, ROBERT	703-204-8743	M&O/TRW/VA	BAILEY
RUSSELL, CHRISTOPHER	703-204-8546	M&O/TRW/VA	PLEBUCH
RUST, ANGIE	702-794-5373	M&O/TRW	ENGWALL
RUTH, RONALD	702-794-7130	M&O/DUKE	JACKSON
SACKS, IVAN J.	703-204-8842	M&O/RDA/VA	SAREEN
SAKAMOTA, RUSSELL R.	703-204-8945	M&O/TRW/VA	PLEBUCH
SALDIVAR, MICHAEL D.	702-794-7532	M&O/TRW	SPIRO
SAMUELIAN, STEVEN	703-204-8628	M&O/TRW/VA	YORK
SAMUELS, LISA ANNE	703-204-8627	M&O/TRW/VA	PLEBUCH
SANDIFER, CAROLE D.	702-794-7750	M&O/TRW	HANNIGAN
SANDIFER, ROBERT M.	702-794-1869	M&O/DUKE	FOUST
SAREEN, SARVAJIT S.	703-204-8844	M&O/TRW/VA	GREENBERG
SATERLIE, STEVE	702-794-5359	M&O/TRW	SCHUTT
SAUER, TOM C.	702-794-5382	M&O/TRW	ENGWALL

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CHAND M&O

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SAUERS, VIRGINIA B.	703-204-8840	M&O/TRW/VA	SAREEN
SAUNDERS, ROBERT S.	702-794-1865	M&O/MK	MCKIE
SAWYER, TONYA	704-373-2478	M&O/DUKE/NC	SEGREST
SCHEETZ, DAVID	703-204-8785	M&O/DUKE/VA	CARRUTH
SCHLENER, WILLIAM F.	703-204-8642	M&O/TRW/VA	FADER
SCHLERETH, PETER H.	703-204-8763	M&O/BWFC/VA	BRACKETT
SCHNEIDER, WAYNE	703-204-8608	M&O/TRW/VA	MCDONNELL
SCHROCK, WILLIAM R.	702-794-7710	M&O/TRW	LOW
SCHUTT, W. DONOVAN	702-794-1838	M&O/TRW	CLARK
SCHWARTZ, THOMAS	703-204-8576	M&O/TRW/VA	PLEBUCH
SEAGLE, NICK L.	704-382-0176	M&O/DUKE/NC	SEGREST
SEARLE, DOLA M.	703-204-8601	M&O/TRW/VA	ROBERTSON
SEGREST, ALDEN M.	704-373-8348	M&O/DUKE/NC	SEGREST
SESTEK, DAVID E.	702-794-7055	M&O/TRW	JACKSON
SETZER, HOWARD L.	703-204-8889	M&O/TRW/VA	GODMAN
SHARP, DAVID L.	704-382-2428	M&O/FD/NC	SEGREST
SHEPHERD, MARGARET	703-204-8509	M&O/TRW/VA	YORK
SHIELDS, RUSSELL	703-204-8946	M&O/TRW/VA	YORK
SHORE, ROBIN	704-382-1590	M&O/DUKE/NC	SEGREST
SHUTLOCK, PAMELA J.	703-204-8540	M&O/TRW/VA	MCDONNELL
SIMMS, SUSAN F.	702-794-7672	M&O/TRW	BURKE
SIMPKINS, MICHAEL	703-204-8952	M&O/TRW/VA	LENTZ
SINNOCK, SCOTT	702-794-7200	M&O/TRW	FOUST
SKRINAK, MICHAEL S.	703-204-8953	M&O/TRW/VA	PAIGE
SKRINAK, VINCENT M.	703-204-8631	M&O/TRW/VA	GODMAN
SLOCUM, JOHN M.	702-794-7393	M&O/TRW	BURKE
SMITH, ANTHONY J.	703-204-8835	M&O/INTERA/VA	SAREEN
SMITH, BEVERLY A.	702-794-7066	M&O/TRW	CRUZ
SMITH, CEDRIC L.	703-204-8893	M&O/TRW/VA	CARRUTH
SMITH, JACK V.	702-794-7626	M&O/TRW	HURST
SMITH, M. GREGORY	703-204-8819	M&O/TRW/VA	CARRUTH
SMITH, RONALD J.	704-382-3057	M&O/TRW/NC	MILLER
SMITH, SHARON	703-204-8714	M&O/TRW/VA	YORK
SMITH, TOMMY	703-204-8522	M&O/DUKE/VA	CARTER
SMITH, WILLIAM C.	702-794-7600	M&O/TRW	VERDEN
SNUGGS, MAX	704-382-2631	M&O/DUKE/NC	SEGREST
SPARKS, KEVIN	703-204-8652	M&O/TRW/VA	PLEBUCH
SPIEKER, HENRY	702-794-7558	M&O/TRW	CRUZ
STRO, ROBERT M.	702-794-7432	M&O/TRW	HANNIGAN
ST. CLAIR, ROBIN K.	702-794-1867	M&O/TRW	SCHUTT
ST. PIERRE, JEFFREY	704-382-2735	M&O/DUKE/NC	SEGREST
STAFFORD, H. CHARLES	702-794-7347	M&O/TRW	FOUST
STAHL, DAVID	702-794-7778	M&O/B&W	BENTON
STANDLEY, WARREN R.	703-204-8852	M&O/TRW/VA	SAREEN
STATTON, C. THOMAS	702-794-1830	M&O/WCFS	CLARK
STERN, J. LEE	703-204-8640	M&O/TRW/VA	GODMAN
STERN, MICHAEL E.	202-488-2308	M&O/FD/VA	GRIFFIN
STEVENSON, KENNETH	703-204-8651	M&O/TRW/VA	PLEBUCH
STEWART, SALLY	703-204-8941	M&O/TRW/VA	YORK
STIFEL, ROBERT	703-204-8690	M&O/TRW/VA	LENTZ
STILLMAN, BRADFORD E.	702-794-7618	M&O/TRW	LOW
STONEBRAKER, SUE C.	702-794-7888	M&O/TRW	ZIMMERMAN
STORER, ARA L.	703-204-8910	M&O/TRW/VA	TEER

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

<u>NAME</u>	<u>PHONE</u>	<u>ORG.</u>	<u>REPORTS TO</u>
STRINGER, JOSEPH B.	704-373-8706	M&O/DUKE/NC	SEGREST
STUKEL, TERESA J.	703-204-8595	M&O/TRW/VA	PLEBUCH
STYNES, M. ELIZABETH	703-204-8595	M&O/TRW/VA	LENTZ
SUMMERS, MICHAEL	703-803-5272	M&O/GPWA/VA	WALTERS
TAGG, ROBERT D.	703-204-8534	M&O/TRW/VA	MCDONNELL
TAIPALE, JAMES M.	702-794-1831	M&O/MK	MCKIE
TAKAMATSU, H. RICHARD	703-204-8781	M&O/TRW/VA	CARRUTH
TANKERSLEY, CHARLES T.	703-204-8939	M&O/TRW/VA	MEDFORD
TATE, BRYAN	702-794-7878	M&O/TRW	ZIMMERMAN
TATE, LAURA M.	702-794-7144	M&O/TRW	FOUST
TAUSER, JANICE	703-204-8691	M&O/GPWA/VA	LENTZ
TAYFUN, ANGELA C.	703-204-8507	M&O/TRW/VA	YORK
TAYLOR, EDWARD C.	703-204-8508	M&O/TRW/VA	ROBERTSON
TAYLOR, JOHN R.	703-373-5561	M&O/DUKE/NC	SEGREST
TAYLOR, JONOTHAN W.	703-204-8577	M&O/TRW/VA	YORK
TEER, BILL R.	703-204-8929	M&O/JAI/VA	VANTER
TELENKO, MICHELLE L.	703-204-8947	M&O/TRW/VA	YORK
TERAOKA, GARY M.	702-794-7416	M&O/TRW	SCHUTT
THATCHER, MELANIE	703-204-8611	M&O/TRW/VA	YORK
THERIEN, MARIA C.	702-794-7844	M&O/TRW	HANNIGAN
THOM, C. BARRY	703-204-8789	M&O/DUKE/VA	CARRUTH
THOMPSON, MARY J.	702-794-7131	M&O/TRW	CRUZ
TIERNEY, JAMES L.	703-204-8764	M&O/TRW/VA	BRACKETT
TIPTON, LINDSEY	703-204-8876	M&O/TRW/VA	GRIFFIN
TRILLO, SANDRA J.	702-794-7171	M&O/TRW	HANNIGAN
TSAI, FRANK C.	703-204-8859	M&O/WCFS/VA	SAREEN
TURNBO, DAVID V.	703-204-8657	M&O/TRW/VA	FLOURNOY
TURNBULL, SHEILA I.	702-794-5328	M&O/TRW	ZIMMERMAN
UNDERWOOD, INES	702-794-7792	M&O/TRW	VERDEN
UNDERWOOD, SHIRLEY	703-204-8630	M&O/TRW/VA	YORK
USIGBE, MELISSA A.	702-794-5314	M&O/TRW	RIXFORD
UYAN, GYNAY F.	702-794-7339	M&O/TRW	LOW
VALADEZ, YOLANDA T.	702-794-5307	M&O/TRW	HANNIGAN
VAN DER LAAN, W. F.	702-794-7301	M&O/TRW	SCHUTT
VAN LUIK, ABRAHAM E.	702-794-7441	M&O/INTERA	YOUNKER
VAN NATTA, C. DALE	702-794-7256	M&O/TRW	FOUST
VANCE, MICHAEL D.	703-204-8637	M&O/TRW/VA	FADER
VANHORN, DEIRDRE R.	703-204-8980	M&O/TRW/VA	MCALICE
VASLOS, GEORGE P.	703-204-8762	M&O/FD/VA	BRACKETT
VANTER, ROY G.	703-204-8899	M&O/TRW/VA	GODMAN
VEAZEY, MYRON	702-794-5372	M&O/TRW	DELEON
VERDEN, JANICE D.	702-794-7770	M&O/TRW	FOUST
VERGARA, ROBIN D.	703-204-8503	M&O/TRW/VA	PLEBUCH
VERMA, TILAK	703-204-8871	M&O/MKE/VA	GRIFFIN
VIBERT, JOHN	703-204-8951	M&O/GPWA/VA	SAREEN
VIGGIANO, PAUL D.	703-204-8529	M&O/DUKE/VA	CARTER
VILLANI, PHYLLIS C.	703-803-5564	M&O/GPWA/VA	LENTZ
WADE, C. WALLACE	702-794-1870	M&O/MK	SCHU
WAGGONER, WILLIAM J.	703-204-8772	M&O/DUKE/VA	BRAC IT

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

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WAGSTAFF, ROGER	704-382-2260	M&O/DUKE/NC	SEGREST
WALKER, CONNIE I.	703-204-8674	M&O/TRW/VA	MCALICE
WALKER, JOHN M.	702-794-5936	M&O/TRW	VERDEN
WALKER, SAMUEL	703-204-8694	M&O/GPWA/VA	LENTZ
WALKER, W. NORMAN	703-204-8599	M&O/TRW/VA	PAIGE
WALTER, H. THOMAS	703-204-8548	M&O/TRW/VA	KERRIGAN
WALTERS, CLAUDE J.	703-204-8813	M&O/TRW/VA	CARRUTH
WALTHER, PATRICK	703-204-8662	M&O/TRW/VA	MCALICE
WALTJEN-LOMAX, DONNA L.	702-794-7689	M&O/TRW	SLOCUM
WARMSLEY, BYRON	703-204-8583	M&O/TRW/VA	PLEBUCH
WARREN, LORETTA	703-204-8827	M&O/TRW/VA	CARRUTH
WATKINS, ARTHUR T.	702-794-1894	M&O/MK	PAHWA
WATSON, JAMES V.	703-204-8719	M&O/BWFC/VA	WHITE
WATTERSON, JEAN	703-204-8724	M&O/TRW	LENTZ
WATTS, MICHELE A.	702-794-5358	M&O/TRW	HANNIGAN
WEAVER, E. MARSHALL	702-794-1871	M&O/DUKE	YOUNKER
WENTZEL, CHRISTINE D.	703-204-8549	M&O/TRW/VA	PAIGE
WEST, PETER D.	703-204-8877	M&O/TRW/VA	GRIFFIN
WETZEL, JUDITH A.	702-794-5343	M&O/TRW	VERDEN
WEATLEY, CONNER M.	703-204-8880	M&O/TRW/VA	GRIFFIN
HEELER, SUZETTE T.	702-794-7287	M&O/TRW	VERDEN
WHITE, DEAN	703-204-8649	M&O/TRW/VA	FADER
WHITE, MICHAEL J.	703-359-9355	M&O/JAI/VA	COLE
WHITE, ROBERT J.	703-204-8986	M&O/TRW/VA	ROBERTSON
WHITLEY, DIANE	704-382-2248	M&O/DUKE/NC	SEGREST
WHITNEY, KOHANN H.	703-204-8520	M&O/TRW/VA	CARTER
WILDMAN, LINDA K.	703-204-8942	M&O/TRW/VA	YORK
WILKERSON, DEBRA M.	702-794-7694	M&O/TRW	HANNIGAN
WILLIAMS, DEBORAH L.	202-488-2325	M&O/TRW/DC	MEDFORD
WILLIAMS, GLEN S.	703-803-5273	M&O/GPWA/VA	WALTERS
WILLIAMS, MICHAEL A.	703-204-8783	M&O/TRW/VA	CARRUTH
WILLIAMS, PATRICIA A.	702-794-5308	M&O/TRW	HANNIGAN
WILLIAMSON, ALVA	704-382-0363	M&O/FD/NC	SEGREST
WILLIAMSON, DOUGLAS A.	703-204-8918	M&O/JAI/VA	COLE
WILLIAMSON, THOMAS M.	702-794-1821	M&O/DUKE	WEAVER
WILLIFORD, DENNIS C.	703-204-8954	M&O/DUKE/VA	MEDFORD
WILLIS, JAMES S.	703-204-8811	M&O/TRW/VA	CARRUTH
WILSON, POWELL J.	703-204-8857	M&O/TRW/VA	GODMAN
WILSON, WILLIAM E.	704-382-3017	M&O/BWFC/NC	SEGREST
WISNIEWSKI, THOMAS E.	703-204-8623	M&O/TRW/VA	LENTZ
WOLF, BARBARA A.	703-204-8698	M&O/GPWA/VA	LENTZ
WODWARD, CHARLES B.	702-794-7396	M&O/TRW	BURKE
WORCESTER, KELLY J.	702-794-7792	M&O/TRW	VERDEN
WRIGHT, RONALD H.	704-373-8760	M&O/DUKE/NC	SEGREST
WRIGHT, SAMANTHA B.	702-794-7604	M&O/TRW	CRUZ
YANG, HANG	702-794-5372	M&O/TRW	TAIPALE
YEE, K. MAY	703-204-8506	M&O/TRW/VA	PLEBUCH
YORK, JOHN A.	703-204-8633	M&O/TRW/VA	SKRINAK
YOUNKER, JEAN L.	702-794-7650	M&O/TRW	FOUST
YUHAS, PHILLIP B.	702-794-1836	M&O/TRW	FOUST
ZACHAR, DARIA N.	702-794-7663	M&O/TRW	ABEL

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT DIRECTORY - CRWMS M&O

<u>NAME</u>	<u>PHONE</u>	<u>ORG.</u>	<u>REPORTS TO</u>
ZIMMERMAN, JUDITH E.	702-794-7797	M&O/TRW	VERDEN

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RGP
2/24/93

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QUALITY ASSURANCE CHECKLIST

ORGANIZATION EVALUATED CRWMS M&O		<input checked="" type="checkbox"/> EXTERNAL	<input checked="" type="checkbox"/> AUDIT	PREPARED BY <u>Richard E. Powe</u> <i>RGP</i> DATE <u>2/23/93</u>
DATES OF EVALUATION 3/1-5/93		<input type="checkbox"/> INTERNAL	<input type="checkbox"/> SURVEILLANCE	
CONTROLLING DOCUMENT (Title, Number, Revision) QAPD, A0000000-AA-06-00042-03			ACTIVITY EVALUATED Organization	
ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted		RESULTS
1	<p>Interview the following personnel to determine job knowledge regarding QA and what procedures govern their work.</p> <p>a. Manager, Site Characterization</p> <ol style="list-style-type: none"> 1. Supervisor, Site Investigation 2. Supervisor, Regulatory Compliance 3. Supervisor, Planning 			

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1 Cont.	<p>b. Manager, MGDS Development</p> <ol style="list-style-type: none"> 1. Supervisor, ESF 2. Supervisor, ESF Construction Management 3. Supervisor, Waste Package Development 4. Supervisor, Surface Design 5. Supervisor, Subsurface Design 6. Supervisor, Systems Engineering <p>c. Manager, Systems</p> <ol style="list-style-type: none"> 1. Supervisor, Performance Assessment and Modeling 2. Supervisor, Technical Data Management <p>d. Manager, Support Operations</p> <ol style="list-style-type: none"> 1. Supervisor, Records Management 2. Supervisor, PFD <p>e. Nevada QA Manager</p> <ol style="list-style-type: none"> 1. Supervisor, Quality Engineering 2. Supervisor, QA Verification 3. Supervisor, Construction QA 		

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ORGANIZATION EVALUATED CRWMS M&O	<input checked="" type="checkbox"/> EXTERNAL <input type="checkbox"/> INTERNAL	<input checked="" type="checkbox"/> AUDIT <input type="checkbox"/> SURVEILLANCE	PREPARED BY <u>Richard E. Powe</u> <i>RSP</i> DATE <u>2/23/93</u>
DATES OF EVALUATION 3/1-5/93			

CONTROLLING DOCUMENT (Title, Number, Revision) QAP 1-1, Revision 1	ACTIVITY EVALUATED Organization
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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1	QAP 1-1, REVISION 1, ESCALATION OF QUALITY DISPUTES Identify the M&O Quality Concerns Program Participant Coordinator and interview to determine knowledge of job.		
2	Review Dispute Escalation Control Number Log.		

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
3	If any Dispute Escalation Control numbers have been assigned, verify they have been entered into the OMIS Data Base (5.1.6) (refer to QAP 2-4).		
4	Verify DE forms are processed in a timely manner. a. Ten days from Manager to Originator (5.1.3) b. Five days Originator to Manager (5.1.4).		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
5	Have any individuals left employment by the CRWMS M&O since 4/1/92? If yes, verify a Quality Concerns Exit Interview form is completed for each one (4.5.2).		
6	Verify records are processed in accordance with QAP 17-1 (5.1).		

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ORGANIZATION EVALUATED	<input checked="" type="checkbox"/> EXTERNAL	<input checked="" type="checkbox"/> AUDIT	PREPARED BY <u>Sam H. Horton</u> DATE <u>2/18/93</u>		
CRNMS M&O	<input type="checkbox"/> INTERNAL	<input type="checkbox"/> SURVEILLANCE			
DATES OF EVALUATION					
3/1-5/93					
CONTROLLING DOCUMENT (Title, Number, Revision)			ACTIVITY EVALUATED		
QAPD, Revision 3, Section 2.0			QA Program Element 2		
ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS	RESULTS		
1	Verify that the M&O maintains a QA requirements matrix which shows where the QARD requirements are covered in QAPs and in ILPs (QAPD, Section 2.1.5).	Record objective evidence reviewed, method of verification, personnel contacted			
2	Verify that if exceptions are taken to the QARD requirements, then justification for not implementing the requirements is included in the matrix and is provided to DOE QA for approval prior to starting quality-affecting work (QAPD, Section 2.1.5).				

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ORGANIZATION EVALUATED CRWMS M&O	<input checked="" type="checkbox"/> EXTERNAL <input type="checkbox"/> INTERNAL	<input checked="" type="checkbox"/> AUDIT <input type="checkbox"/> SURVEILLANCE	PREPARED BY <u>Sam E. Horton</u> DATE <u>2/18/93</u>
DATES OF EVALUATION 3/1-5/93			

CONTROLLING DOCUMENT (Title, Number, Revision)	ACTIVITY EVALUATED
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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1	<p>QAP 2-1, REVISION 3, INDOCTRINATION AND TRAINING</p> <p>Verify that M&O personnel have been identified to work under the M&O QA Program; the DOE QA Program, or both QA programs, so as to determine the appropriate indoctrination and training program to administer. (Is there an interface control?) (M&O QAPD, Paragraph 2.5.4 and QAP 2-1, Paragraph 5.1.1)</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
2	Sample 2-3 Managers/Supervisors from the organization chart and determine they have designated personnel, under their supervision, to attend program indoctrination classroom training. (QAP 2-1, Paragraph 5.1.1)		
3	Verify that required indoctrination and training is established and assigned for each individual by the individual's manager or supervisor. (Note: This includes personnel performing non-QA work) (M&O QAPD, Revision 3, Section 2.5.2, Paragraph 1)		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
4	<p>For personnel selected as being designated to attend program indoctrination, verify they have read the current revision of the procedures noted below, prior to attending the indoctrination classroom training, which addresses the same documents.</p> <p>QARD-(RW-0214) QAP 1-1 (Rev. 1) QAP 2-1 (Rev. 3) QAP 2-3 (Rev. 3) QAP 6-1 (Rev. 1) PCN-PO1 QAP 16-1 (Rev. 0) QAP 17-1 (Rev. 2)</p> <p>Note: Review Attachment II, Self Study Record, to verify the above.</p> <p>(QAP 2-1, Paragraphs 5.1.3 and 5.1.4)</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
5	Upon completion of the classroom instruction, verify that the Training Attendance Record (Attachment I) is completed (i.e. signed by individuals who took the training). (QAP 2-1, Paragraph 5.1.5)		
6	Verify that M&O personnel receive indoctrination and training on: a. General criteria b. Applicable codes, standards c. DOE documents d. procedures for their particular job assignment as determined by the Supervisor. (M&O) QAPD, Revision 3, Section 2.5.2 Paragraph 3)		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
7	From the Table of Contents of the QAP Manual, ascertain the individuals noted as performing QA Work, have read or been trained to the most current revisions of the procedures. (QAP 2-1, Paragraph 4.3.2)		
8	Ascertain if there have been any training waivers. If they exist, verify Attachment III was properly completed and that the waiver was only limited to the program indoctrination classroom training. (QAP 2-1, Paragraph 5.4.1) (Reconcile waiver with the M&O QAPD, Section 2.5.2, Paragraph 3, first sentence)		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
9	Verify that the Training Manager has established policies and standards (as well as procedures) for the development and conduct of training. (QAP 2-1, Paragraph 4.1.2)		
10	Determine how the Manager/Supervisor ensures that personnel under their supervision either have had training on, or have read the latest revision of, a procedure before doing work according to that procedure. (QAP 2-1, Paragraph 4.2.4)		

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DATES OF EVALUATION 3/1-5/93					
CONTROLLING DOCUMENT (Title, Number, Revision) QAP 2-2, Revision 1			ACTIVITY EVALUATED QA Program Element 2		
ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted		RESULTS	
1	<p>QAP 2-2, REVISION 1, VERIFICATION OF PERSONNEL QUALIFICATIONS</p> <p>SELECT 2-3 MANAGERS/SUPERVISORS AND REVIEW SELECTED POSITION DESCRIPTIONS (PDS) (ATTACHMENT I) OF THEIR PERSONNEL</p> <p>a. Verify PDs exist for all personnel selected. (QAP 2-2, Paragraph 5.1.1)</p> <p>b. Verify PDs are prepared by the Manager/Supervisor.</p>				

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
2	Verify the Position Descriptions describe the minimum skills, knowledge, education, and experience for each position within the Manager/Supervisor organization. (QAP 2-2, Paragraph 5.1.1)		
3	Verify that quality-affecting activities are listed in the appropriate section of the Position Description by the Manager/Supervisor. (QAP 2-2, Paragraph 5.1.2) NOTE: Ask how the Manager/Supervisor determines what is a quality-affecting activity.		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
4	<p>Verify that Position Descriptions are signed by the Manager/Supervisor verifying relevant experience of personnel under their supervision. (QAP 2-2, Paragraphs 5.1.3 and 5.2.2)</p> <p>How is this verified, see paragraph 3.2.4?</p>		
5	<p>Verify the Human Resources Manager verifies and documents the highest level of education of each person on Attachment II. (QAP 2-2, Paragraph 5.2.1)</p> <p>How is this education verified? See Paragraph 3.2.4.</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
6	<p>Verify that when minimum education and experience cannot be specifically verified, Manager/Supervisors provide a statement and justification for the personnel assignment. (QAP 2-2, Paragraph 5.2.1)</p> <p>(Inquire as to where this requirement is allowed in the M&O QAPD)</p>		
7	<p>Review selected Position Descriptions (that establish the minimum education level, experience requirements for the position, and quality-affecting responsibilities) against corresponding resumes, to determine the acceptance of the individual's qualifications. (M&O QAPD, Section 2.5.1, Paragraph 2)</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
8	Verify that the required education and experience of selected individuals are verified. Education - verified by HR Manager Experience - verified by Supervisor (QAPD, Revision 3, Section 2.5.1, Paragraph 2)		

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CRWMS M&O	<input type="checkbox"/> INTERNAL	<input type="checkbox"/> SURVEILLANCE		
DATES OF EVALUATION				
3/1-5/93				
CONTROLLING DOCUMENT (Title, Number, Revision)			ACTIVITY EVALUATED	
QAP 2-9, Revision 0			QA Program Element 2	
ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS	RESULTS	
		Record objective evidence reviewed, method of verification, personnel contacted		
1	QAP 2-9, REVISION 0, DEVELOPMENT AND CONDUCT OF TRAINING Verify how the Manager/Supervisor identifies personnel training needs.			
2	Verify training needs are identified by Manager/Supervisor by: a. Reviewing regulatory requirements b. Reviewing performance deficiencies and/or c. Conducting needs analysis (QAP 2-9, Paragraph 5.1.1)			

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
3	Ascertain the number of certified instructors conducting training for the M&O. (QAP 2-9, Paragraph 5.2.2)		
4	Verify that each instructor receives a certificate to conduct training after completion of the Initial Instructor Development Training, Attachment I. (QAP 2-9, Paragraph 5.2.2)		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
5	Verify that a justification is provided by the Supervisor/Manager in lieu of completing the Initial Instructor Development Training and is so noted on Attachment I. (QAP 2-9, Paragraph 5.2.2)		
6	Verify that for classroom instruction, and Lesson Plans are reviewed and approved by a certified instructor and the Training Manager. (QAP 2-9, Paragraphs 5.3.2 and 5.3.3)		

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QUALITY ASSURANCE CHECKLIST (continuation sheet)

ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
7	Verify that the Training Department issues notification to MEO personnel of classroom instruction, availability, scheduled class time, and location of training classes. (QAP 2-9, Paragraph 5.4.1)		
8	Verify that when briefings are conducted, that they are: a. Conducted by subject matter experts. b. Documented on Training Attendance Record form (Attachment I, QAP 2-1). (QAP 2-9, Paragraphs 5.5.2 and 5.5.3)		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
9	Review completed Instructor Certification Forms and verify they have been completed in accordance with Attachment II. (QAP 2-9, Attachment II)		
10	Review Lesson Plan Standards (Attachment III) and verify they have been completed in accordance with associated instructions (Attachment IV). (QAP 2-9, Attachment III)		
11	Ascertain that no classroom training is given by instructors prior to their certification as instructors.		

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DATES OF EVALUATION 3/1-5/93				

CONTROLLING DOCUMENT (Title, Number, Revision) QLP 2-1, Revision 1, Certification of QC Inspectors	ACTIVITY EVALUATED QA Program Element 2
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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1	<p>Verify that a letter of delegation exists to allow certain individuals the authority to approve QLPs (since QLPs are approved by Line Management responsible for performing the work; Nevada Site QA Manager). (QAPD, Revision 3, Paragraph 2.1.4)</p> <p>(Note: QLP 10-1 approved by N. Hodson for J. Jackson)</p>		

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
2	Verify the M&O Human Resources Manager maintains the qualification and certification records for Level I, II, III, and Limited Certified QC inspection personnel. (QLP 2-1, Paragraph 4.5) (go to question 14)		
3	Verify that inspector candidates have received training and are certified to at least one of the following categories: a. Structural Steel f. Mechanical b. Soils g. Electrical and c. Concrete Instrumentation d. Coatings h. Receiving e. Firestop i. Mining (QLP 2-1, Paragraph 5.1)		

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4	Verify that the Certification Levels are identified as Level I, II or III, or Limited certification. (QLP 2-1, Paragraph 5.2)		
5	<p>Verify that Level II inspectors:</p> <ul style="list-style-type: none"> a. Have experience and training in performance of inspections, examinations and tests, and evaluation of the results of these activities. b. Have demonstrated proficiency in planning inspections, examinations and tests, and setting up tests, including preparation and set-up of related equipment. (QLP 2-1, Paragraph 5.2.2, B and D) 		

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6	<p>Verify the Level III inspector:</p> <ul style="list-style-type: none"> a. Prepares and approves training courses and Lesson Plans. b. Prepares and approves examinations for certification and qualification. c. Certifies qualified individuals for Level I, II, and Limited certifications. d. Does not delegate the approval and certification process. <p>(QLP 2-1, Paragraph 4.4)</p>		

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7	<p>Verify that formal classroom training is:</p> <ul style="list-style-type: none"> a. Conducted in accordance with outlines or Lesson Plans approved by the Level III Inspector. b. Conducted by the Level III Inspector or designee. c. Documented on the M&O QC Inspector Certification Form (Attachment I). (QLP 2-1, Paragraph 5.3.1.1) 		
8	<p>Verify that for Levels I and II certifications:</p> <ul style="list-style-type: none"> a. The QA Site Supervisor initiates the certification form; b. The form is approved by the Nevada Site QA Construction Manager; c. The form is certified by the Level III Inspector. (QLP 2-1, Paragraphs 5.6.1, 5.6.5, and 5.6.6) 		

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9	<p>Verify that for Level III certifications:</p> <p>a. The Supervisor of the Level III initiates the certification form, and</p> <p>b. The form is certified and approved by the M&O Nevada Site QA Manager. (QLP 2-1, Paragraphs 5.6.4 and 5.6.6.B)</p>		

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10	<p>Verify that Level II Inspector has:</p> <ul style="list-style-type: none"> a. One year of satisfactory performance as a Level I in the corresponding category, or b. High School diploma plus three years of related experience in inspections or acceptance tests, or c. Completion of college level work leading to an associate degree in a related discipline plus one year related experience in inspections or acceptance tests, or d. Graduation from a four year college plus six months of related experience in inspections or acceptance tests. (QLP 2-1, Paragraph 5.3.2.6) 		

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11	<p>Verify that Level III Inspector has:</p> <ul style="list-style-type: none">a. Four year college degree plus five years of related experience in inspection, examination or testing.b. Completed college level work leading to an associates degree, plus seven years of related experience with three years of this experience in QA or QC, orc. Six years as a Level II in the corresponding category, ord. high School diploma or equivalent plus ten years of related experience, ore. High School diploma plus eight years of related experience, with two years as a Level II. (QLP 2-1, Paragraph 5.3.2.7)		

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12	<p>Verify the examination for inspector certifications consists of:</p> <ul style="list-style-type: none">a. General written examination that covers the basic principles relative to the applicable inspection category.b. Specific written examination which covers the codes, standards, equipment, procedures, and inspection techniques that the candidate may encounter in a specific assignment. <p>Note: These examinations may be combined. (QLE 2-1, Paragraph 5.3.3.4)</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
13	Verify that Level II and III Inspectors are evaluated annually (plus two months) by their supervisor, and documented by signing the QC Inspector Certification Form. (QLP 2-1, Paragraphs 5.7.6 and 5.7.7)		
14	Verify that copies (maintained by the HR Manager) of the following documentation required to support certification is included in each file: a. M&O QC Inspector Certification b. Resume c. Examinations (QLP 2-1, Paragraphs 6.1 and 6.2)		

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DATES OF EVALUATION 3/1-5/93			
CONTROLLING DOCUMENT (Title, Number, Revision)		ACTIVITY EVALUATED Criteria 2: Classification	
ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1	<u>CLASSIFICATION OF ITEMS</u> Verify that the M&O is not implementing QAP 2-3 per QAP 2-3 instructions.		
2	Para. 3.1.20 of QAP 2-3 requires revision to address the document "CRWMS M&O Plan for Evaluating Items and Activities in the Mined Geologic Disposal System Program for Importance to Safety and Waste Isolation"		

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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3	If the plan above is actually the plan listed in Paragraph 3.1.20 of QAP 2-3, why wasn't it sent to D. Horton as requested in Letter Horton to Robertson dtd. 1/15/93.		
4	Verify that DIEs for the portal wall adequately address potential impacts of temporary items and activities (installation of rock bolts) for Importance to Waste Isolation.		
5	Why doesn't QAP 3-9 address DIEs? <i>(Determination of Importance Evaluations)</i>		

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DATES OF EVALUATION 3/1-5/93				

CONTROLLING DOCUMENT (Title, Number, Revision) M&O QAPD, Revision 3, and QAP 2-5, Revision 1	ACTIVITY EVALUATED QA Program Element 2: QA Programs
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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1	<p>SURVEILLANCES</p> <p>M&O QAPD REVISION 3, SECTION 2.6, DATED 11-30-92</p> <p>Verify the following QAPD requirements are incorporated within M&O implementing procedures:</p> <p>Surveillances evaluate effective implementation of quality-affecting work.</p> <p>Technical experts are not directly responsible for the activity being surveilled.</p>		

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1 Cont.	<p>Verify technical experts are required to be accompanied by trained QA personnel.</p> <p>Verify QAP 2-5 addresses planning, preparation, performance, documentation, reporting and tracking of surveillance results.</p> <p>Verify QAP 2-5 addresses correcting of findings during surveillances.</p>		

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2	<p>QAP 2-5, REVISION 1, QUALITY ASSURANCE SURVEILLANCE</p> <p>PARA. 5.1</p> <p>Verify QA Managers responsible for QAP 3-5 (Verify to Test Interference Evaluation) and QAP 2-3 (Classification of Items) and QAP 3-1 (Technical Document Review) have scheduled surveillances of these ongoing activities.</p>		
3	<p>PARA. 5.1</p> <p>Effectiveness of surveillance program. Verify that surveillances have been performed of ongoing activities to adequately monitor the performance of quality-affecting activities.</p>		

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4	PARA. 5.2 Verify surveillances are performed with checklists or marked-up procedures. Note: checklists or marked-up procedures are not kept as records.		
5	PARA. 5.3 Verify surveillances are led by certified auditors.		
6	PARA. 5.4 Verify adverse conditions are described on CARs.		

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7	PARA. 5.5.1 Verify that the items in this paragraph are documented in surveillance reports.		
8	ATTACHMENT II TO QAP 2-5 Verify that an effectiveness statement is in executive summary.		

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DATES OF EVALUATION 3/1-5/93				
CONTROLLING DOCUMENT (Title, Number, Revision) M&O QAPD, Revision 3			ACTIVITY EVALUATED QA Program Element 2	
ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted		RESULTS
1	<p>QAP 2-6, REVISION 1, READINESS REVIEWS</p> <p>Verify the following M&O QAPD, Revision 3 requirements are contained in M&O implementing procedures:</p> <p>Readiness reviews are performed prior to the start of critical milestones as determined by OCRWM or the M&O General Manager.</p>			

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	* RESULTS
1 Cont.	Results are reported to DOE and M&O management. Open items are tracked to closure. PARA. 5.2.2		
2	Verify readiness review team members have been trained to QAP 2-6. PARA. 5.4.1		
3	Verify documented evidence of the need for a readiness review.		

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4	PARA. 5.4.2 Verify the scope, guidelines etc. are established for readiness reviews.		
5	PARA. 5.4.4 Verify that the Readiness Review Plan addresses the requirements of this paragraph.		
6	PARA. 5.4.6, EFFECTIVENESS Verify the effectiveness of readiness review attribute lists.		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
7	PARA. 5.5.2 Verify that open item reports identify the attributes of this paragraph.		
8	PARA. 5.5.4 Verify that an open items list was generated as required.		
9	PARA. 5.5.5 Verify readiness review board members approve the report.		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
10	<p>GENERAL</p> <p>How are hold points administered to programmatic and technical documents? AP-5.20Q?</p>		
11	<p>PARA. 5.6.2</p> <p>Verify open items are being tracked and verified as closed.</p>		
12	<p>PARA. 6</p> <p>Verify that records listed in this section are collected and maintained as QA records.</p>		

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DATES OF EVALUATION 3/1-5/93				

CONTROLLING DOCUMENT (Title, Number, Revision) QAP 5-1, Revision 1	ACTIVITY EVALUATED
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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1	QAP 5-1, REVISION 1, PREPARATION OF QAPS AND ILPS PARAS. 5.1.2 AND 5.1.3 Verify that QAPs and ILPs are assigned Procedure Numbers in accordance with Attachment I, QAP/ILP Numbering System Instructions.		
2	PARA. 5.2.1 Verify that QAPs and ILPs are developed using the format in Attachment II, QAP/ILP Format and Development Instructions.		

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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3	PARA. 5.2.2 Verify that sections not applicable to the procedure are indicated "Not Applicable."		
4	PARA. 5.2.4 Verify that new forms are developed in coordination with the Secretariat and included as an attachment to the QAP/ILP. Instructions for completion of the form are included as a separate attachment.		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
5	<p>PARA. 5.3.1</p> <p>Verify that the reviewers of QAP/ILPs are selected by the responsible manager and documented on the Interoffice Memo used to distribute the QAP/ILP with the PRR, Attachment IV.</p> <p>a. QAPs are reviewed by those who have responsibilities in the procedure, as well as others selected by the responsible manager. M&O QA Manager, the Secretariat and Support Operations (LV) review all QAPs.</p> <p>b. ILPs are reviewed by each interfacing manager in the organization determined by the responsible manager. The appropriate Location QA Manager as well as the Secretariat and/or Support Operations (LV) review all ILPs in area of responsibility.</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
6	<p>PARA. 5.3.3</p> <p>Verify that when the responsible manager elects to conduct a procedure review meeting in lieu of collecting individual PRRs, a written notification of the meeting to the reviewing managers include and/or reference appropriate review criteria along with a copy of the QAP/ILP to be reviewed. The responsible manager prepares a memo documenting the meeting including a markup procedure draft reflecting the meeting comments. The meeting attendees sign the meeting memo confirming that the markup procedure draft reflects resolution of their comments.</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
7	<p>PARA. 5.3.4</p> <p>Verify that each manager receiving a PRR have the document reviewed and provides written response by PRR.</p> <p>a. Mandatory comments are noted on the PRR</p> <p>b. Comments from reviewing organization are consolidated as one set of comments, signed by the commentator and reviewing manager.</p>		
8	<p>PARA. 5.3.5</p> <p>Verify that the procedure author assured that all reviewing managers returned PRRs.</p>		

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9	<p>PARA. 5.3.6</p> <p>Verify that all mandatory comments are resolved prior to the QAP/ILP approval by the procedure author and the individual making the comments.</p>		
10	<p>PARA. 5.3.7</p> <p>Verify that the procedure author makes a recommendation of the training required for an individual to become proficient in the QAP/ILP by initiating a QAP/ILP Training Coordination Sheet, Attachment VI.</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
11	<p>PARAS. 5.3.8 AND 5.3.10</p> <p>Verify that the Training Manager is sent a draft copy of the QAP/ILP with the Training Coordination Sheet when formal classroom training is recommended. The Training Manager is consulted concerning the effective date to assure sufficient time is allowed for development of the training outline and materials in accordance with QAP 2-1.</p>		
12	<p>PARA. 5.2.8</p> <p>Verify that QAP/ILP Review Sheet, Attachment VIII, is completed for concurrent review by affected organizations.</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
13	PARA. 5.3.10.A Verify that the QAPs are approved by the H&O QA Manager and the General Manager.		
14	PARA. 5.3.10.B Verify that the ILPs are approved by the cognizant office manager and the cognizant location QA Manager.		

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15	<p>PARA. 5.4.1</p> <p>Verify that the QAP/IIP is submitted to the M&O Headquarters DCC for copying the distribution in accordance with QAP 6-1. DCC shall release copies of new forms for use at the same time the QAP/IIP is released to controlled distribution.</p>		
16	<p>PARA. 5.4.2</p> <p>Verify that supporting documentation is submitted to the M&O Headquarters LRC in accordance with QAP 17-1.</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
17	PARA. 5.5.1 Verify that Procedure Change Notice, Attachment X, is completed when modifications to QAP/ILPs are recommended.		
18	PARA. 5.5.2.A Verify that revisions to approved QAP/ILPs undergo the same development, review, resolution of comments, approval and distribution process as delineated in 5.2 and 5.4. Changes in the QAP/ILP is designated by change bars in the retyped QAP/ILP. All change bars of the previous revision are removed.		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
19	<p>PARA. 5.5.2.D</p> <p>Verify that no QAP/ILP has more than three Procedure Change Notices (PCNs) outstanding at any time and no approved PCN shall be effective for more than two years.</p>		
20	<p>PARA. 5.5.4</p> <p>Verify that when a QAP/ILP Review Sheet is completed, it is determined that a QAP/ILP is to be canceled. When all concurring managers are in agreement, the responsible manager prepares and sends a cancellation notice (QAP/ILP Cover Sheets) to the DCC with the Document Control Action Request (Reference QAP 6-1).</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
21	PARA. 5.5.4.C Verify that the DCC distributes the cancellation notice and revises the Table of Contents in accordance with QAP 6-1.		
22	PARA. 5.6 Verify that expedited FCN is processed in accordance with Paragraphs 5.6.1 through 5.6.4.		

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23	<p>PARA. 5.6.5</p> <p>Verify that expedited PCN is effective for only 60 calendar days. During that 60-day period, a formal PCN (or QAP/ILP revision) is processed to incorporate the expedited change. Work performed in accordance with the expedited PCN shall be identified, controlled, and evaluated for impact if the final approved change is different from that approved by the expedited change.</p>		
24	<p>PARA. 5.7</p> <p>Verify that PCNs are processed in accordance with Paragraphs 5.7.1 and 5.7.4.</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
25	PARA. 5.8 Verify that each QAP/ILP is reviewed by the responsible manager for adequacy and compliance with requirements at least once every two years.		
26	PARA. 5.8.5 Verify that QAP/ILPs are reviewed for required changes as upper-tier documents are changed.		

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27	<p>SECTION 6.0</p> <p>Verify that documents generated as a result of this procedure are collected and maintained in accordance with QAP 17-1. The following are submitted to the LRC:</p> <ul style="list-style-type: none"> a. PRRs and non-mandatory comments with distribution memo and a copy of the draft submitted for review. b. Procedure review meeting notifications. c. Procedure meeting memo and draft markups. d. QAP/ILP Review Sheets with attached draft, if appropriate. e. PRRs for mandatory comments and non-mandatory comments made during concurrence review. f. All drafts that proceeded beyond preliminary draft stage but were never finalized with pertinent correspondence including PRRs and reasons for not being finalized. g. Approved QAPs and ILPs. h. FCNs. i. PRRs for two-year reviews. 		

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	j. Memos or PRRs documenting the procedure reviews due to upper-tier document changes.		

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ORGANIZATION EVALUATED	<input checked="" type="checkbox"/> EXTERNAL	<input checked="" type="checkbox"/> AUDIT	PREPARED BY <u>James Blaylock</u> DATE <u>2/23/93</u>		
CRWMS H&O	<input type="checkbox"/> INTERNAL	<input type="checkbox"/> SURVEILLANCE			
DATES OF EVALUATION					
3/1-5/93					
CONTROLLING DOCUMENT (Title, Number, Revision)			ACTIVITY EVALUATED		
QAP 3-10, Revision 1, Engineering Drawings					
ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS		
1	<p>Verify preparation of engineering drawings to include:</p> <ul style="list-style-type: none"> a. Task Leader assigning preparer to develop drawings and documentation b. Task Leader providing all applicable design inputs c. Preparer to develop engineering drawings in accordance with inputs and with appropriate QA classifications d. Preparer lists all design inputs to drawing either on drawing or a Drawing Design Input List, referenced on drawing 				

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1 Cont.	<p>e. Task Leader assigns drawing number(s) in accordance with QAP 3-13, Document Identifier, concurrent with preparation</p> <p>f. Preparer signs and dates drawings and submits them to Task Leader.</p> <p>NOTE: 5.1.6 requires Department Manager to review design input data, including data, for impact, when done and how documents?</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
2	<p>Engineering Drawing review shall be held to verify the accuracy and technical completeness to include the following:</p> <p>a. Engineering drawing verification</p> <ol style="list-style-type: none">1. Verifier designated by Task Leader and as qualified as individual responsible for technical content of drawing. Who is this preparer or Task Leader?2. Verifier to be independent of those who prepared original drawing.		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
2 Cont.	<p>3. Verifier may be preparer's supervisor provided:</p> <p>(a) Supervisor did not specify singular design approach or rule out certain design considerations and did not establish design inputs, or</p> <p>(b) Supervisor only individual in organization competent to perform verification.</p> <p>Conflict between (a) and (b)</p> <p>If (a) or (b) but be documented and approved by Assistant General Manager or Nevada Site Manager with QA concurrence in advance. To be noted in "Notes" section of drawing.</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
2 Cont.	<p>(c) Verifier uses criteria in Paragraph 5.4.2 for review.</p> <p>(d) Verifier submits corrections to preparer and Task Leader for action and signs and dates drawings/applicable Design Inputs Lists after all interdisciplinary and external reviews are complete.</p>		
3	<p>Verify interdiscipline reviews, determined by Task Leader, are done prior to approval. Criteria for such reviews are not identified.</p>		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
4	Verify external review, if required by Department Manager, conducted to QAP 3-1. No criteria identified for requiring such a review.		
5	Verify Task Leader review after three possible reviews identified above. Task Leader signs and dates drawings and Design Inputs List.		

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6	Verify approval by Department Manager prior to submittal and acceptance by appropriate CCB, only original issues and revisions may be released for fabrication, construction, installation or baseline control. Portions of drawings may be released if "HOLD" clearly indicates all preliminary information that is not suitable for release. Department Manager signs and dates Design Inputs Lists. What about drawings that have information directly on drawing itself?		
7	Verify drawings that are revised are subject to same process described above to include revision number on revision, and appropriate signatures and dates.		

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ORGANIZATION EVALUATED CRWMS M&O	<input checked="" type="checkbox"/> EXTERNAL <input type="checkbox"/> INTERNAL	<input checked="" type="checkbox"/> AUDIT <input type="checkbox"/> SURVEILLANCE	PREPARED BY <u>James Blaylock</u> DATE <u>2/23/93</u>
DATES OF EVALUATION 3/1-5/93			

CONTROLLING DOCUMENT (Title, Number, Revision) QAP 3-11, Revision 1, Design Specifications	ACTIVITY EVALUATED
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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
1	<p>QAP 3-11, REVISION 1, DESIGN SPECIFICATIONS</p> <p>Verify the Department Manager reviews data input data for impact.</p> <p>How is this documented?</p> <p>What is the mechanism for change if impacts identified?</p>		

* INDICATE RESULTS: SATISFACTORY (SAT), UNSATISFACTORY (UNSAT), NOT APPLICABLE (N/A)

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
2	<p>Verify the Responsible Engineer formats the design specification to include use of tables and figures, attachments, and appendices.</p> <p>a. Each Design Specification shall have a unique identifier on each page</p> <p>b. Each Design Specification shall have date of initial issue on each page (and cover sheet)</p> <p>c. Each Design Specification shall have Certification of Design Specification with signatures and dates</p>		

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3	<p>Design Specifications shall be:</p> <ul style="list-style-type: none">a. Verified by a qualified individual other than preparer or approver using Attachment V; first six items mandatory. How is this documented?b. Individuals shall be independent, except in special situations where supervisor is only individual in organization competent to perform verification. If latter, it is to be documented in advance and approved by AGM or NSM with QA concurrence.c. Verifier and the Responsible Engineers resolve corrections; verifier signs and dates Certification of Design Specification form after interdiscipline and external reviews are completed.		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
4	Verify Department Manager determined need for interdiscipline or external review. How is this documented and what is the criteria for making this determination?		
5	Verify Design Specification approval by the Department Manager and QA manager by signature and date.		

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ITEM NO.	CHARACTERISTICS TO BE EVALUATED	REMARKS Record objective evidence reviewed, method of verification, personnel contacted	RESULTS
6	Verify submittal of Design Specification for entry into technical baseline in accordance with QAP 3-4.		
7	Verify changes are subject to same process as original specification to include: a. Impact Assessment b. Vertical lines in right margin unless noted "Incorporate All Previous Revisions."		