

*The December 15, 1999 Public Scoping Meeting at the City of Twentynine Palms City Hall consisted of formal presentations by Metropolitan and P&D Environmental staff, followed by public comment. The transcript for this meeting includes both the formal presentations and the public comments. The transcript of the formal presentation is on pages 1 through 23 of the transcript. The part of the transcript for public comments is on pages 23 through 39 of the transcript. There are also intermittent public comments on pages 39 through 61 of the transcript.*

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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA  
CADIZ GROUNDWATER STORAGE AND DRY-YEAR SUPPLY PROGRAM

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PUBLIC SCOPING MEETING

WEDNESDAY, DECEMBER 15, 1999  
AT TWENTYNINE PALMS CITY HALL  
6136 ADOBE ROAD, TWENTYNINE PALMS, CALIFORNIA  
AT 7:06 P.M.

REPORTED BY: KAREN KOVACS, C.C.R., R.P.R.  
CALIFORNIA C.C.R. #6485/NEVADA C.C.R. #550

1 MS. SALENIUS: WE'D LIKE TO GET STARTED.  
2 I'D LIKE TO WELCOME YOU ALL TO THIS PUBLIC HEARING ON THE  
3 ADEQUACY OF THE ENVIRONMENTAL IMPACT REPORT, ENVIRONMENTAL  
4 IMPACT STATEMENT ON THE CADIZ GROUNDWATER STORAGE AND  
5 DRY-YEAR SUPPLY PROGRAM.

6 AND IF YOU DIDN'T COME FOR THAT, YOU'RE AT THE  
7 WRONG MEETING.

8 I'D LIKE TO INTRODUCE A FEW PEOPLE. I'M SYLVIA  
9 SALENIUS. I'M WITH P & D ENVIRONMENTAL, AND WE WERE  
10 RESPONSIBLE FOR THE COMPILATION OF THE ENVIRONMENTAL  
11 DOCUMENT.

12 DIRK REED IS THE PROGRAM MANAGER FOR  
13 METROPOLITAN, AND DIRK WILL BE MAKING A PRESENTATION ON THE  
14 PROJECT AND THE FINDINGS OF THE ENVIRONMENTAL DOCUMENT.

15 WE ALSO HAVE JACK SAFELY HERE. JACK IS WITH  
16 METROPOLITAN ALSO AND WAS ASSISTING DIRK ON THE  
17 ENVIRONMENTAL DOCUMENTATION.

18 KATHY KUNYSZ FROM METROPOLITAN IS HERE. KATHY IS  
19 A SPECIALIST IN ENVIRONMENTAL ISSUES AND HAS WORKED VERY  
20 EXTENSIVELY ON BIOLOGICAL ISSUES AND CULTURAL-RESOURCE  
21 RELATED ISSUES.

22 WE ALSO HAVE MOLLY BRADY HERE FROM THE B.L.M., THE  
23 NEEDLES OFFICE, AND SHE'S HERE REPRESENTING THAT  
24 ORGANIZATION. B.L.M. IS THE CO-LEAD AGENCY FOR THE  
25 ENVIRONMENTAL DOCUMENT, AND THE B.L.M. WILL BE DECIDING AS

1 TO WHETHER TO ALLOW THE PROJECT TO UTILIZE B.L.M. LAND.

2 WE ALSO HAVE JIM WILLIAMS HERE FROM THE RIVERSIDE  
3 OFFICE, AND JIM IS THE DESIGNEE FROM THE B.L.M. TO RECEIVE  
4 WRITTEN COMMENTS FROM FOLKS THAT ARE COMMENTING ON THE  
5 DOCUMENT.

6 ALSO JACK SAFELY, WHOM YOU WERE INTRODUCED TO  
7 EARLIER, HE WILL BE RECEIVING WRITTEN COMMENTS AS WELL, AND  
8 IF YOU NEED THE MAILING ADDRESSES FOR THE RECEIPT OF  
9 COMMENTS, THERE ARE SOME COMMENT CARDS ON THE TABLE THAT --  
10 KEN ASHFORD IS ALSO FROM THE METROPOLITAN. HE'S HERE  
11 MANNING THE SIGN-IN DESK.

12 THERE ARE COMMENT CARDS. THESE COMMENTS CARDS --  
13 WE'RE USING THEM FOR TWO PURPOSES: ONE PURPOSE IS TO HAVE A  
14 RECORD OF WHO WISHES TO SPEAK THIS EVENING, SO IF YOU WOULD  
15 LIKE TO SPEAK THIS EVENING, WE WOULD REQUEST THAT YOU GET  
16 ONE OF THE COMMENT CARDS AND FILL IN THE BLANKS ON THE CARD  
17 AND CHECK THE BOX THAT INDICATES THAT YOU'D LIKE TO SPEAK,  
18 AND THEN GIVE YOUR CARDS BACK TO KEN.

19 IF YOU'D LIKE TO TAKE A COMMENT CARD AND MAIL IT  
20 BACK, THERE ARE SOME THERE WITH STAMPS ON THEM SO YOU DON'T  
21 HAVE TO PAY FOR POSTAGE.

22 AND IF YOU JUST WANT A COMMENT CARD TO GET THE  
23 MAIL-BACK ADDRESS FOR SENDING IN OTHER COMMENTS YOU MIGHT  
24 HAVE, LIKE A LETTER OR OTHER DOCUMENTATION, YOU CAN JUST  
25 TAKE A CARD BECAUSE IT HAS ALL THAT INFORMATION ON IT.

1 THE PURPOSE OF THIS MEETING TONIGHT IS TO PROVIDE  
2 YOU WITH AN OPPORTUNITY TO COMMENT ON THE ENVIRONMENTAL  
3 DOCUMENTS THAT WERE RELEASED IN NOVEMBER.

4 THESE DOCUMENTS ARE GOING TO BE CIRCULATING NOW  
5 FOR A PERIOD OF 90 DAYS, AND THE COMMENT PERIOD WILL EXTEND  
6 THROUGH FEBRUARY 23RD OF 2000. THE COVER LETTER THAT'S IN  
7 THE ENVIRONMENTAL DOCUMENT SAYS FEBRUARY 23RD, 1999.

8 THERE'S A Y2K PROBLEM THERE. IT'S SUPPOSED TO BE  
9 2000. THAT'S THE FORMAL END OF THE PERIOD, SO IF YOU'RE  
10 SENDING ANYTHING IN, PLEASE MAKE AN EFFORT TO GET IT IN  
11 DURING THAT TIME PERIOD.

12 ANY COMMENTS THAT WE RECEIVE ORALLY THIS EVENING  
13 OR IN WRITING WILL BE INCLUDED IN THE FINAL ENVIRONMENTAL  
14 DOCUMENT. AND IN THAT DOCUMENT WE'LL ALSO PROVIDE RESPONSES  
15 TO ANY QUESTIONS OR CONCERNS THAT HAVE BEEN IDENTIFIED.

16 THE FINAL ENVIRONMENTAL IMPACT REPORT, IMPACT  
17 STATEMENT IS EXPECTED TO BE RELEASED SOMETIME IN MARCH. AND  
18 THEN METROPOLITAN'S BOARD OF DIRECTORS AND THE OFFICIALS OF  
19 THE B.L.M. WILL USE THE INFORMATION IN THE DRAFT REPORT AND  
20 THE FINAL REPORT AS THEIR BACKGROUND INFORMATION ON THE  
21 ENVIRONMENTAL EFFECTS OF THE PROJECT IN ORDER TO MAKE THE  
22 DECISIONS THAT THEY HAVE TO MAKE.

23 THEY HAVEN'T DECIDED WHETHER TO PROCEED ON THIS  
24 PROJECT YET AT ALL. THEY'RE TAKING THIS INFORMATION AND  
25 THEN THEY'RE GOING TO USE IT WHEN THEY CONSIDER WHETHER TO

1 PROCEED WITH THE PROJECT.

2 THE B.L.M., SIMILARLY, WILL BE USING THIS  
3 INFORMATION TO DETERMINE WHETHER THEY WISH TO ALLOW  
4 METROPOLITAN TO USE THE LAND THAT THEY HAVE CONTROL OVER.

5 OUR AGENDA FOR TONIGHT WILL BE AS FOLLOWS: DIRK  
6 REED IS GOING TO MAKE A PRESENTATION ABOUT THE PROJECT, ITS  
7 OBJECTIVES, AND SOME OF THE INFORMATION DURING THE  
8 ENVIRONMENTAL ANALYSIS THAT WE DISCOVERED IN TERMS OF  
9 POTENTIAL ENVIRONMENTAL EFFECTS OF THE PROJECT PARTICULARLY  
10 ON WATER QUALITY ISSUES AND SOME OF THE OTHER KEY CONCERNS  
11 THAT AROSE. PRIMARILY, THE WATER QUALITY ISSUES.

12 AFTER THE PRESENTATION WE'D LIKE TO START TAKING  
13 YOUR COMMENTS. AND AGAIN, IF YOU WISH TO SPEAK, PLEASE GET  
14 A CARD FROM KEN AND FILL IT OUT, AND THEN WHEN WE'RE READY,  
15 WE'LL READ OFF THE NAMES IN THE ORDER THAT WE RECEIVED THE  
16 CARDS.

17 AFTER WE GET ALL OF YOUR COMMENTS WE'LL TAKE A  
18 SHORT BREAK, AND IF THERE ARE QUESTIONS THAT COME UP DURING  
19 THE COMMENT PERIOD, I'M GOING TO BE WRITING THOSE DOWN AND  
20 WHEN WE COME BACK AFTER A SHORT BREAK, WE'LL TRY TO ANSWER  
21 THOSE QUESTIONS THAT WE CAN AT THAT POINT IN TIME.

22 I'D ALSO LIKE TO POINT OUT THAT, FOR YOUR  
23 CONVENIENCE, THERE ARE COPIES OF THE ENVIRONMENTAL  
24 DOCUMENTS. IT'S A FAIRLY THICK REPORT -- IT'S ABOUT TWO AND  
25 A HALF, THREE INCHES THICK -- THAT ARE AVAILABLE AT THE

1 LOCAL LIBRARIES IN NEEDLES, TWENTYNINE PALMS, SAN BERNARDINO  
2 AND BARSTOW.

3 SO IF YOU DON'T WANT TO GO AND BUY ONE OF THESE  
4 THINGS -- AND THEY'RE EXPENSIVE IF YOU BUY THE WHOLE  
5 PACKAGE -- IT'S AVAILABLE IN THOSE LIBRARIES FOR YOU TO LOOK  
6 AT. IT'S ALSO AVAILABLE ON THE B.L.M.'S WEBSITE, IF YOU  
7 WANT TO TRY TO READ IT ON YOUR COMPUTER.

8 ALSO, METROPOLITAN HAS COPIES THAT ARE AVAILABLE,  
9 AND THE B.L.M. OFFICE IN RIVERSIDE HAS COPIES.

10 AT THIS POINT, I'D LIKE TO TURN THE PRESENTATION  
11 OVER TO DIRK TO GIVE YOU SOME INFORMATION ABOUT THE  
12 PROJECT.

13 MR. REED: THANKS, SYL.

14 AGAIN, MY NAME'S DIRK REED. I'M THE PROJECT  
15 MANAGER FOR THE CADIZ DRY-WATER STORAGE AND GROUNDWATER  
16 SUPPLY PROGRAM.

17 WHAT I'M GOING TO DO TONIGHT IS BASICALLY GIVE YOU  
18 A BRIEF OVERVIEW OF THE PROGRAM AND THEN TURN IT BACK OVER  
19 TO SYL FOR THE QUESTIONS AND ANSWERS AND THE TAKING OF THE  
20 PUBLIC INPUT PART OF THE PROJECT ITSELF.

21 THESE PUBLIC MEETINGS -- AS SYL MENTIONED TO YOU,  
22 THESE PUBLIC MEETINGS ARE BEING HELD TO OBTAIN YOUR  
23 COMMENTS. THIS IS AN IMPORTANT PART OF THE PROCESS FOR YOU  
24 TO GIVE SOME INPUT INTO THE ENVIRONMENTAL DOCUMENTATION TO  
25 MAKE SURE THAT THE DOCUMENT DISCUSSES EVERYTHING THAT YOU

1 THINK ARE IMPORTANT AND EVALUATES THEM.

2 WHAT YOU CAN DO IS EITHER, LIKE SYL MENTIONED,  
3 AGAIN, YOU CAN SPEAK HERE TONIGHT, YOU CAN FILL OUT THE  
4 COMMENT CARDS AND MAIL THEM IN, OR YOU CAN WRITE US A  
5 LETTER, BUT ONE THING I WANT TO MAKE SURE, YOU KNOW, IS YOUR  
6 COMMENTS WILL BE RESPONDED TO IN WRITING PRIOR TO ANY FINAL  
7 ACTION ON THIS PROJECT AT ALL.

8 THE FIRST THING I'D LIKE TO DO IS JUST GO THROUGH  
9 A LITTLE BIT ABOUT WHO METROPOLITAN WATER DISTRICT IS.

10 THE METROPOLITAN WATER DISTRICT WAS CREATED IN  
11 1928 UNDER AN ENABLING ACT OF THE CALIFORNIA LEGISLATURE.  
12 METROPOLITAN WATER DISTRICT SUPPLIES SUPPLEMENTAL WATER  
13 SUPPLIES TO THE SOUTHERN CALIFORNIA REGION, COVERING  
14 VENTURA, LOS ANGELES, ORANGE, SAN DIEGO, RIVERSIDE, AND SAN  
15 BERNARDINO COUNTIES.

16 METROPOLITAN SUPPLIES ABOUT 60 PERCENT OF THE  
17 WATER USED IN THAT AREA. IN PARTICULAR, METROPOLITAN  
18 SUPPLIES TWO-THIRDS OF THE WATER USED IN SAN BERNARDINO  
19 COUNTY. BY 2020, METROPOLITAN WILL BE SUPPLYING  
20 APPROXIMATELY 300,000-ACRE FEET A YEAR.

21 NOW, A LITTLE BIT ABOUT THE PROJECT ITSELF AND THE  
22 AREA WE'RE DEALING WITH. I THINK MOST EVERYBODY'S FAMILIAR  
23 WITH THE DESERT GROUNDWATER BASINS, BUT FOR THE MOST PART,  
24 THE DESERT GROUNDWATER BASINS CAN BE BROKEN INTO TWO GENERAL  
25 AREAS: THE KIND THAT NATURALLY DRAIN TOWARDS, LIKE, THE



1 COLORADO RIVER, AND THE KIND THAT DRAIN TOWARDS THE DRY LAKE  
2 BEDS AND WILL EVAPORATE OFF AND THE GROUNDWATER DRAINS  
3 TOWARDS THE DRY LAKE BEDS AND EVAPORATES OFF.

4 IN PARTICULAR, LIKE PIUTE AND CHEMEHUEVI DRAIN  
5 TOWARDS THE COLORADO RIVER UNCONTROLLED AND DRAINS DOWN  
6 TOWARDS THE COLORADO RIVER.

7 THE ONES WE'RE GOING TO TALK ABOUT TODAY, THE  
8 FENNER, BRISTOL, AND CADIZ DRAIN TOWARDS THESE DRY LAKE BEDS  
9 AND EVAPORATES AWAY. YOU CAN TELL THE DIFFERENCE IN THE DRY  
10 LAKE BEDS IF YOU EVER GO OUT AND LOOK AT THEM. THERE'S SOME  
11 DRY LAKE BEDS THAT HAVE A WHITE CRUST ON THEM, VERY SALTY.  
12 THAT'S DUE TO THE GROUNDWATER EVAPORATION. THE WATER MOVES  
13 TOWARDS THESE DRY LAKE BEDS -- IT'S ABOUT FIVE FEET BELOW  
14 SURFACE -- AND EVAPORATES AWAY, LEAVING THE SALTS ON THE  
15 SURFACE.

16 OTHER DRY LAKE BEDS IN THE DESERT, SUCH AS THE  
17 HAYFIELD DRY LAKE BED ARE TOPOGRAPHIC DEPRESSIONS. IN OTHER  
18 WORDS, THAT'S WHERE THE SURFACE WATER RUNS TO AND THEN IT  
19 INFILTRATES THE GROUNDWATER BASINS. HAYFIELD VALLEY, FOR  
20 INSTANCE, THE GROUNDWATER BASIN'S ABOUT 600 FEET BELOW  
21 SURFACE. IT'S A BIG DIFFERENCE IN THE TYPE OF GROUND WATER  
22 BASINS.

23 THERE'S A LOT OF DIFFERENT KINDS OF GROUNDWATER  
24 BASINS OUT THERE AND, AS YOU CAN SEE ON THIS BOARD, THE  
25 GENERAL BREAK BETWEEN THE GROUNDWATER BASINS THEMSELVES.

1 FENNER BASIN -- A LITTLE BIT ABOUT THE FENNER BASIN.

2 THE FENNER BASIN, FENNER VALLEY, COVERS ABOUT  
3 1300 SQUARE MILES. IT RISES IN ELEVATION TO APPROXIMATELY  
4 7,500 FEET. THERE'S SNOW ON THOSE MOUNTAINS. IT'S  
5 SURROUNDED BY THE PROVIDENCE MOUNTAINS, NEW YORK MOUNTAINS,  
6 AND THE SHEEPHOLE. THE BASIN HAS A NATURAL RECHARGE FOR  
7 APPROXIMATELY 30,000-ACRE FEET PER YEAR. THAT GROUNDWATER  
8 BASIN DRAINS FROM THE UPPER ELEVATIONS, THROUGH THE FENNER  
9 GAP, TOWARDS THE BRISTOL AND CADIZ DRY LAKE BEDS WHERE THE  
10 WATER EVAPORATES OFF.

11 THIS PROGRAM -- THE PROGRAM WE'RE HERE TO TALK TO  
12 YOU A LITTLE BIT THIS EVENING -- BASICALLY HAS THREE  
13 COMPONENTS TO IT. THAT IS, ONE COMPONENT IS GOING TO ALLOW  
14 US TO TAKE THE WET-YEAR WATER -- RAIN WATER THAT'S AVAILABLE  
15 WHEN IT RAINS A LOT IN THE COLORADO RIVER AREA -- BRING IT  
16 IN, AND STORE IT IN A GROUNDWATER BASIN.

17 THE SECOND COMPONENT IS GOING TO BE ABLE TO  
18 EXTRACT THAT GROUNDWATER, THAT WATER WE STORED, TAKE IT BACK  
19 OUT OF THE GROUNDWATER BASIN, MOVE IT BACK TO THE COLORADO  
20 RIVER AQUEDUCT AND BACK INTO METROPOLITAN'S SERVICE AREA.

21 THE THIRD COMPONENT IS A TRANSFER OF SOME OF THE  
22 NATIVE GROUNDWATER, SOME OF THE WATER THAT NATURALLY  
23 RECHARGES THE BASIN, MOVES TO THE DRY LAKE BEDS AND  
24 EVAPORATES AWAY. TO MAKE THAT -- BRING THAT TOGETHER, WE  
25 HAVE TO CONSTRUCT SOME FACILITIES.

1 THE BASIN, THE FENNER GAP THAT WE ARE TALKING  
2 ABOUT PUTTING SOME OF THE FACILITIES IN, IS ABOUT 35 MILES  
3 NORTH, NORTHWEST OF THE COLORADO RIVER AQUEDUCT, IRON  
4 MOUNTAIN PUMPING PLANT.

5 WE HAVE TO CONSTRUCT A 35-MILE PIPELINE THAT'S  
6 GOING TO BE ABLE TO FLOW ABOUT A HUNDRED-FIFTY-THOUSAND ACRE  
7 FOOT IN ONE YEAR.

8 IN ADDITION, WE HAVE TO CONSTRUCT ABOUT 400 ACRES  
9 OF SPREADING BASINS. WHAT YOU'RE TALKING ABOUT THERE IS  
10 SOME INFILTRATION PONDS SO WE CAN TAKE THE COLORADO RIVER  
11 WATER, GET IT INTO THE GROUNDWATER BASIN ITSELF.

12 IN OTHER WORDS, WE'RE LOOKING AT ABOUT 400 ACRES  
13 OF THOSE. TO GET THE WATER OUT OF THE GROUNDWATER BASIN  
14 BACK INTO THE PIPELINE AND BACK DOWN TO THE COLORADO RIVER  
15 AQUEDUCT, WE NEED ABOUT 30 EXTRACTION WELLS.

16 ALL THESE FACILITIES UP IN THE FENNER GAP WILL BE  
17 LOCATED ON THE CADIZ LAND HOLDINGS. THE PIPELINE IS GOING  
18 TO BE CROSSING SOME PRIVATELY-HELD PROPERTY AND B.L.M.  
19 PROPERTY, AS SYL MENTIONED AT THE BEGINNING OF THE MEETING.

20 AS PART OF THE ENVIRONMENTAL PROCESS, WE HAD TO  
21 LOOK AT A NUMBER OF CATEGORIES. WE HAD TO EVALUATE A LOT OF  
22 DIFFERENT THINGS. SOME OF THESE ITEMS WE ARE ALREADY KNEW  
23 ABOUT AND SOME OF THESE ITEMS WERE BROUGHT UP IN OUR PUBLIC  
24 SCOPING MEETINGS.

25 IF YOU REMEMBER, BACK IN FEBRUARY AND MARCH WE HAD

1 SCOPING MEETINGS OUT HERE IN TWENTYNINE PALMS WHERE THERE  
2 WAS SEVERAL ISSUES THAT WERE BROUGHT UP THAT WE NEEDED TO  
3 LOOK AT.

4 WE HAVE EVALUATED THESE ITEMS AS PART OF THE  
5 ENVIRONMENTAL DOCUMENTATION PROCESS. AND AGAIN, THAT'S ONE  
6 OF THE THINGS YOU NEED TO LOOK AT IN THE ENVIRONMENTAL  
7 DOCUMENT TO ENSURE THAT WE DID CAPTURE YOUR COMMENTS  
8 CORRECTLY AND THAT WE DID EVALUATE WHAT YOU WERE LOOKING FOR  
9 US TO EVALUATE IN THAT DOCUMENT.

10 SOME OF THE ITEMS ARE -- HAD A LOT OF INTEREST IN  
11 BY THE PUBLIC AND SOME OF THEM NOT AS MUCH, SUCH AS PUBLIC  
12 SERVICES OUT IN THE FENNER VALLEY. THERE'S NOT AS MANY  
13 PUBLIC SERVICES AND UTILITIES OUT THERE.

14 SOME OF THE THINGS SUCH AS HYDROLOGY AND WATER  
15 QUALITY, GEOLOGY, SOILS, AND MINERAL RESOURCES WE HAD LOTS  
16 OF INPUT ON, AND I'M GOING TO GO INTO A LITTLE MORE DETAIL  
17 ABOUT THAT. WE HAVE EVALUATED A NUMBER OF OPERATIONAL  
18 MODELS, A NUMBER OF OPERATIONAL ANALYSES OF THE GROUNDWATER  
19 BASIN.

20 APPROXIMATELY NINE OF THEM, DIFFERENT GROUNDWATER  
21 ANALYSES, WERE DONE ON PUTTING WATER INTO THE GROUND WATER  
22 BASIN AND EXTRACTING THE WATER OUT.

23 GO INTO THE WORST CASE OF WHAT THE EFFECTS ON THE  
24 GROUNDWATER BASIN WERE BASED ON THIS ANALYSIS.

25 PEOPLE WANTED TO KNOW WHAT WOULD BE THE MAXIMUM

1 ELEVATION, HOW FAR IS THAT WATER GOING TO GET UP WHEN WE  
2 START PUTTING WATER INTO THIS GROUNDWATER BASIN. AND WHAT  
3 WE FOUND OUT, UNDER THE WORST CASE, WE'RE GOING TO LOOK AT  
4 ABOUT A 180-FOOT MOUND; IN OTHER WORDS, WHEN YOU PUT WATER  
5 IN, THE WATER THAT WE'RE PUTTING IN IS GOING TO COME UP  
6 ABOUT 180 FEET. IT'S STILL QUITE AWAYS AWAY FROM THE  
7 SURFACE, BUT IT'S GOING TO COME UP 180 FEET.

8 AS YOU MOVE AWAY FROM WHERE WE PUT THE WATER IN,  
9 IT STARTS GETTING BACK CLOSE TO NORMAL, BACK TO WHERE THE  
10 ORIGINAL GROUNDWATER IS.

11 YOU CAN SEE THE CONTOURS HERE. SHOWN ON THIS MAP  
12 IS THE CADIZ LAND HOLDINGS. ALSO SHOWN IS, AS YOU CAN SEE,  
13 THE MARBLE AND SHIP MOUNTAINS THAT CONTROL THE FLANKS OF THE  
14 BASIN ITSELF.

15 ONE OF THE THINGS THAT ALSO WAS INTERESTING WAS --  
16 WHAT PEOPLE WANTED TO KNOW MORE ABOUT IS WHAT IS THE EFFECTS  
17 WHEN YOU START TAKING WATER OUT OF THE GROUNDWATER BASIN,  
18 NOT JUST THE WATER WE STORED, BUT SOME OF THE INDIGENOUS  
19 GROUNDWATER, SOME OF NATIVE GROUNDWATER WHEN IT'S STARTING  
20 TO BE EXTRACTED.

21 THE ANALYSIS WAS DONE ON THAT ALSO. WHAT WE'RE  
22 LOOKING AT IS WHAT THE MAXIMUM DRAW-DOWN, WHAT THE HOLE,  
23 WHAT THE EXTRACTION HOLE LOOKS LIKE FROM THE WELLS THAT  
24 WE'RE EXTRACTING OUT OF THE GROUNDWATER BASIN.

25 AND AGAIN, IT'S ABOUT 180 FEET BELOW WHERE IT

1 WOULD HAVE BEEN, AND WE EXTRACTED TWO-MILLION-ACRE FOOT ON  
2 THIS ANALYSIS. ALL THESE OPERATIONAL SCENARIOS ARE IN THE  
3 ENVIRONMENTAL DOCUMENT, AND I JUST WANTED TO JUST CAPTURE  
4 SOME OF THE MAXIMUM-IMPACT ONES AND SHOW YOU WHAT THAT IS  
5 HERE THIS EVENING.

6 AGAIN, AS YOU MOVE AWAY FROM THE PROJECT AREA,  
7 YOU CAN SEE THAT WE'RE ONE FOOT, 20 FEET, ONE FOOT WORSE  
8 THAN THE NATIVE GROUNDWATER BY EXTRACTING THIS WATER OUT OF  
9 THE AREA.

10 DOWN HERE BY BRISTOL DRY LAKE WE HAD A NUMBER OF  
11 CONCERNS RAISED ABOUT WHAT IS GOING TO BE THE EFFECT ON THE  
12 BRISTOL DRY LAKE? ARE WE GOING TO HAVE AN EFFECT ON THE  
13 SALT MINING OPERATIONS AND THINGS LIKE THAT?

14 YOU CAN SEE IT ON THE CONTOUR BOARD, BUT TO GIVE  
15 YOU A BETTER IDEA WHAT IT LOOKS LIKE OVER THE PERIOD OF  
16 TIME, THESE ARE INCHES ON THIS SIDE, AND YOU CAN SEE WHAT  
17 THE EFFECT IS ON THE BRISTOL DRY LAKE. WE'RE TALKING LESS  
18 THAN TWELVE INCHES.

19 AT THE BEGINNING OF THE PROJECT, WHEN WE'RE  
20 STORING WATER IN, THEY'RE GOING TO SEE AN ELEVATION RISE IN  
21 THE DRY LAKE BED LESS THAN TWELVE INCHES.

22 TOWARDS THE MIDDLE OF THE PROGRAM WHEN WE'RE  
23 STARTING TO TAKE WATER OUT ON THIS OPERATIONAL ANALYSIS,  
24 YOU'RE GOING TO SEE ABOUT 12 INCHES OF DROP OF BRISTOL DRY  
25 LAKE. OVER TIME, IT'S GOING TO RETURN TO EQUILIBRIUM.

1                   ONE OF THE OTHER ISSUES, IF YOU REMEMBER THE  
2                   CATEGORIES THAT WAS ON THE ORIGINAL BOARD THAT I STARTED  
3                   WITH, WAS WATER QUALITY. AND IN ORDER TO SHOW YOU WATER  
4                   QUALITY, WHAT I WILL TRY TO DO IS JUST SAY WHAT -- IF YOU  
5                   UNDERSTAND THE DRY LAKE BEDS AND THE GROUNDWATER BASIN  
6                   ITSELF; THAT IS, WHAT'S HAPPENING BETWEEN THE TWO.

7                   THE DRY LAKE BEDS ARE VERY HIGH IN SALINITY,  
8                   SALTS. THE GROUNDWATER BASIN IS NOT. SO THE BEST WAY TO  
9                   SHOW SOMETHING ON THAT IS TO SHOW WHAT'S HAPPENING ON THAT  
10                  BRINE INTERFACE, THE INTERFACE BETWEEN THE FRESH WATER AND  
11                  THE SALT WATER OVER THE PROJECT.

12                 WHAT WE HAVE IS WE'VE DONE AN ANALYSIS OF THAT  
13                 ALSO, LOOKING AT THE WORST CASE, TO SEE WHAT HAPPENS TO THAT  
14                 BRINE INTERFACE.

15                 AS YOU CAN SEE, UNDER MAXIMUM MOVEMENT OF THE  
16                 BRINE INTERFACE, WE ARE TALKING ABOUT 2,000 FEET; IN OTHER  
17                 WORDS, THE CURRENT LOCATION SHOWN IN BLUE. WHEN WE'RE  
18                 PUTTING WATER IN, THE BRINE INTERFACE MOVES TOWARDS THE DRY  
19                 LAKE BEDS AND THEN OVER THE PROJECT LIFE RETURNS BACK  
20                 TOWARDS THE BLUE LINE, RETURNS BACK TO EQUILIBRIUM.

21                 YOU CAN ALSO SEE THE LOCATIONS OF THE WELLS, THE  
22                 SPREADING BASINS, AND THE AREA OF CADIZ LAND HOLDINGS ON  
23                 THIS MAP, TOO.

24                 SEVERAL PEOPLE WERE ASKING QUESTIONS ABOUT WHAT'S  
25                 GOING TO HAPPEN WITH THE SURFACE. SOME PEOPLE ARE FAMILIAR

1 WITH THE CENTRAL VALLEY WHERE YOU'RE LOOKING AT 30, 60 FEET  
2 OF SUBSIDENCE DUE TO THE GROUNDWATER EXTRACTION UP IN THE  
3 CENTRAL VALLEY.

4 WHAT ARE WE GOING TO HAVE HAPPEN HERE WHEN WE  
5 START PUTTING WATER INTO THE GROUNDWATER BASIN, TAKING WATER  
6 OUT OF THE GROUNDWATER BASIN? WE'VE DONE A COMPLETE  
7 ANALYSIS ON THAT ALSO.

8 WHAT WE'RE TALKING ABOUT IS WE WILL BE SEEING SOME  
9 SUBSIDENCE OUT THERE. ANYTIME YOU START PUTTING WATER IN,  
10 TAKING WATER OUT, EXERCISING THE GROUNDWATER BASIN, IT DOES  
11 HAPPEN. IT HAPPENS IN EVERY GROUNDWATER BASIN.

12 WHAT WE'RE ENVISIONING IS A FOOT, FOOT AND A HALF  
13 OF SUBSIDENCE, CENTRALLY LOCATED RIGHT OVER THE TOP OF THE  
14 CADIZ LAND HOLDINGS. AND THAT'S DUE TO PUTTING THE WATER  
15 IN, TAKING THE WATER OUT, RESHIFTING THE SOILS AROUND WHEN  
16 YOU GET THEM WET AND THEN TAKE THE WATER BACK AWAY FROM  
17 THEM.

18 AGAIN, IT'S MOSTLY LOCATED RIGHT OVER THE TOP OF  
19 THE CADIZ LAND HOLDINGS. THE BIG THING, THOUGH, IS HOW DO  
20 YOU ENSURE THAT WHAT WE'VE MODELED, WHAT WE'VE DEVELOPED,  
21 AND WHAT WE HAVE MODELED ON THIS PROJECT IS WHAT HAPPENS AS  
22 WE MOVE INTO THE FUTURE.

23 AND MAINLY WHAT THAT GETS DOWN TO IS HOW DO WE  
24 MONITOR IT AND HOW DO WE MANAGE THE GROUNDWATER BASIN TO  
25 ENSURE THAT WHAT WE HAVE SEEN HERE AND WHAT WE PREDICT IS



1       WHAT HAPPENS.   BASICALLY THERE'S ONLY ONE GOOD WAY TO DO  
2       THAT AND THAT'S THROUGH DEVELOPING THE GROUNDWATER  
3       MONITORING AND MANAGEMENT PLAN.

4                IN ESSENCE, THIS GROUNDWATER MONITORING  
5       MANAGEMENT PLAN IS GOING TO COVER THE SURFACE EFFECTS TO  
6       ENSURE THAT NOTHING HAPPENS MORE THAN WE SAY IT IS, THE  
7       GROUNDWATER, THE WATER QUALITY EFFECTS, AND THE WATER  
8       HYDROLOGY -- AND THE WATER HYDROLOGY.

9                BASICALLY, WHAT WE'RE LOOKING AT THE GROUNDWATER  
10      MANAGEMENT PLAN WILL DO IS REGULATE THE OPERATIONS OF THIS  
11      PROGRAM.   WHEN WE START TO SEE THINGS HAPPEN, IT WILL SAY  
12      STOP DOING THIS.

13              THEN IT WILL ALSO IDENTIFY EARLY AND PROVIDE ANY  
14      MEASURES TO ELIMINATE POTENTIALLY SIGNIFICANT EFFECTS; IN  
15      OTHER WORDS, WHEN YOU START TO SEE SOMETHING GOING ON, YOU  
16      CAN ADJUST, AND THAT'S WHAT THE GROUNDWATER MANAGEMENT  
17      MONITORING PROGRAM IS GOING TO DO.

18              WHAT WE'RE GOING TO MONITOR IS -- SOME OF THESE  
19      ITEMS I ALREADY TALKED TO YOU ABOUT, PLUS SEVERAL OTHER SO  
20      WE'RE GOING TO MONITOR SEVERAL CHANGES IN THE GROUNDWATER  
21      QUALITY DUE TO BRINGING COLORADO RIVER WATER IN, WHAT'S  
22      HAPPENING.   WE'VE DONE A LOT OF ANALYSIS, BASIN ANALYSIS ON  
23      THE GROUNDWATER BASIN, BUT WE NEED TO DO THAT IN THE FIELD  
24      TO ENSURE WHAT WE THINK IS GOING TO HAPPEN IS WHAT HAPPENS.

25              IN ADDITION, WE'RE GOING TO MONITOR THE

1 FLUCTUATIONS, WHAT'S GOING ON IN THE GROUNDWATER BASIN, TO  
2 ENSURE THAT PUTTING WATER IN DOESN'T ADVERSELY EFFECT  
3 ANYBODY, AND WHEN TAKING WATER OUT IT DOESN'T ADVERSELY  
4 EFFECT ANYBODY.

5 ALSO, AS I MENTIONED, WE'LL MONITOR THAT BRINE  
6 INTERFACE. THAT'S A GOOD INDICATOR BETWEEN THE SALT WATER,  
7 THE SALINE WATER, AND THE FRESH WATER. AND LAST, WE'RE  
8 GOING TO MONITOR THE CHANGES IN THE GROUND SURFACE, THE  
9 SUBSIDENCE.

10 THAT PLAN THAT I'M TALKING ABOUT, THE GROUNDWATER  
11 MONITORING MANAGEMENT PLAN, WILL BE MADE AVAILABLE TO THE  
12 PUBLIC. IT'S GOING TO BE UPDATED ANNUALLY. WE'RE PUTTING  
13 TOGETHER THE DETAILS OF WHAT THAT GROUNDWATER MANAGEMENT  
14 PLAN IS GOING TO HAVE IN IT, AND IT WILL BE MADE AVAILABLE,  
15 THE DETAILS WHAT'S GOING TO BE MONITORED, AND HOW, PRIOR TO  
16 THE FINAL DOCUMENTATION OF THE PROJECT.

17 THERE WAS SOME CATEGORIES THAT WE JUST COULDN'T  
18 MITIGATE TO A LEVEL OF NONSIGNIFICANCE; IN OTHER WORDS,  
19 WATCHING THE GROUNDWATER BASIN, WE COULD MAKE SURE THAT  
20 NOTHING'S GOING TO HAPPEN THERE. WE COULD DO SOME OTHER  
21 THINGS TO ENSURE THAT WE DON'T HAVE ANY EFFECT ON DESERT  
22 TORTOISES, BUT THERE'S SOME THINGS WE JUST COULDN'T  
23 MITIGATE.

24 BASICALLY WHAT THOSE GET DOWN TO IS THREE ITEMS:  
25 PALEOL RESOURCES, THE BONES; SECOND ONE IS AIR QUALITY AND

1 NOISE; AND THE THIRD ONE IS HAZARDS AND HAZARDOUS MATERIALS.

2 BASICALLY BECAUSE -- LET ME START AT THE BOTTOM  
3 ONE. WHAT THIS HAZARDS AND HAZARDOUS MATERIALS MEANS, WHAT  
4 MOST PEOPLE KNOW, OUT IN THE DESERT, IT WAS USED FOR  
5 TESTING. DURING THE PATTON ERA THEY DID A LOT OF TESTING  
6 OUT IN THE AREA. AND WE'LL BE DOING A PROGRAM TO ENSURE  
7 THAT WE DON'T HIT ANYTHING, UNEXPLODED ORDNANCES IN FRONT OF  
8 OUR CONSTRUCTION EQUIPMENT.

9 I'M NOT SURE WE'RE GOING TO GET THEM ALL. I  
10 WOULDN'T WANT TO BE THE PERSON ON TOP OF THE BACKHOE, BUT WE  
11 THINK WE CAN GET MOST IT, BUT THERE'S NO WAY THAT WE CAN  
12 GUARANTEE, BUT THAT'S THE REASON IF WE DO HIT SOMETHING,  
13 THAT IS A SIGNIFICANT IMPACT, OR IT WILL BE A SIGNIFICANT  
14 IMPACT TO THE PERSON ON THE BACKHOE.

15 THE NEXT ONE IS AIR QUALITY. DURING CONSTRUCTION  
16 WE WILL BE HAVING SOME DUST. WE'RE GOING TO BE USING  
17 WATERING TECHNIQUES TO KEEP THE DUST DOWN. IT'S ALREADY  
18 DUSTY OUT THERE. ANY ADDITIONAL DUST THAT'S GENERATED IS  
19 CONSIDERED SIGNIFICANT. THERE'S NO WAY THAT WE CAN  
20 GUARANTEE THAT WE CAN KEEP ALL THE DUST DOWN, SO ANY  
21 ADDITIONAL DUST THAT WE GENERATE IN THE AREA DURING  
22 CONSTRUCTION WILL BE CONSIDERED SIGNIFICANT.

23 THE THIRD ONE, PALEOL RESOURCES, HAS TO DO WITH  
24 THE BONES. IF YOU UNDERSTAND DRY LAKE BEDS, HISTORICALLY  
25 ANIMALS HAVE GONE DOWN TO THE DRY LAKE BEDS FOR VARIOUS

1 REASONS AND DIED. SO WHAT WE'RE GOING TO RUN ACROSS IS  
2 BONES ALONG THERE. WE'RE GOING TO RECORD THAT. WE HAVE  
3 PEOPLE OUT IN THE FIELD TO RECORD IT, DOCUMENT WHAT WE RUN  
4 ACROSS DURING THE CONSTRUCTION OF THE PIPELINE.

5 AND THAT INFORMATION IS GOING TO BE MADE  
6 AVAILABLE, BUT BECAUSE WE ARE DISTURBING THE BONES THAT ARE  
7 IN THE GROUND, THE ANIMAL BONES AND SUCH, THAT WILL BE  
8 CONSIDERED A SIGNIFICANT IMPACT.

9 A LOT OF THE PALEOL-TYPE PEOPLE LIKE TO HAVE THAT  
10 SO THEY CAN GET INFORMATION ABOUT HOW THE MOVEMENT OF  
11 ANIMALS WERE, BUT AGAIN, YOU CANNOT MITIGATE BELOW THE LEVEL  
12 OF SIGNIFICANCE. YOU WILL HAVE AN IMPACT.

13 BASICALLY ON OUR SCHEDULE -- YOU CAN UNDERSTAND  
14 WHERE WE WERE. WE WERE OUT HERE IN FEBRUARY, WE WERE HERE  
15 IN THIS ROOM IN FEBRUARY. WE HAD A SCOPING MEETING. THAT  
16 SCOPING MEETING ALLOWED US TO HAVE INPUT FROM THE PUBLIC TO  
17 UNDERSTAND WHAT ISSUES YOU THOUGHT WERE IMPORTANT, WHAT  
18 ISSUES WE NEEDED TO EVALUATE IN THIS DOCUMENT.

19 THAT SCOPING MEETING HAD A PUBLIC COMMENT PERIOD  
20 OF 45 DAYS. IN OTHER WORDS, WE WERE OPEN, TAKING COMMENTS  
21 IN WRITING AND IN PUBLIC FOR 45 DAYS, AND SINCE THEN WE HAVE  
22 BEEN TAKING THEM ALSO TO FIGURE OUT TO MAKE SURE THAT WE  
23 WERE ADDRESSING ALL THE ISSUES THAT WE NEEDED TO.

24 WHAT WE'VE DONE IS WE'VE PREPARED A DRAFT  
25 E.I.R./E.I.S. IN CONJUNCTION WITH B.L.M. A LOT OF PEOPLE

1 ASKED WHY METROPOLITAN WAS THE LEAD AGENCY. METROPOLITAN IS  
2 A STATE PUBLIC AGENCY. AND LIKE ANY OTHER LEAD AGENCY, WE  
3 PREPARE OUR ENVIRONMENTAL DOCUMENTS. THE CITY OF TWENTYNINE  
4 PALMS PREPARES THEIR ENVIRONMENTAL DOCUMENTS FOR PROJECTS  
5 THAT THEY'RE PROPOSING TO IMPLEMENT.

6 IN CONJUNCTION WITH METROPOLITAN BEING THE LEAD  
7 AGENCY, B.L.M. IS THE LEAD AGENCY. THEY'RE THE FEDERAL LEAD  
8 AGENCY. THIS IS A FEDERAL DOCUMENT ALSO. SO YOU HAVE A  
9 LITTLE BIT OF A DIFFERENT MIX HERE IN THAT YOU HAVE A JOINT  
10 DOCUMENT PREPARED BY TWO DIFFERENT PUBLIC AGENCIES.

11 WHAT WE'RE LOOKING AT IS WE'RE GOING TO HAVE A  
12 PUBLIC COMMENT PERIOD. YOU'LL SEE -- SYL MENTIONED IT'S A  
13 90-DAY COMMENT PERIOD. IT'S GOING TO BE OPEN TO FEBRUARY  
14 23RD --

15 MS. SALENIUS: 2000.

16 MR. REED: -- YEAH, 2000. SOMETIMES WE CAN'T  
17 COUNT THE DAYS. SOMETIMES WE GET THE 22ND; SOMETIMES WE GET  
18 1999. I WOULD PREFER FEBRUARY 22ND, 1999, BUT THAT'S NOT  
19 GOING TO WORK, SO WE'RE OPEN -- WE'RE TAKING COMMENTS,  
20 EITHER IN THE PUBLIC MEETING OR IN WRITING, UP TO FEBRUARY  
21 23RD, 2000.

22 AFTER THAT TIME ALL YOUR COMMENTS WILL BE BROUGHT  
23 IN. THE B.L.M., METROPOLITAN, THE EXPERT CONSULTANTS WE  
24 HAVE ON THE PROGRAM WILL BE PUTTING TOGETHER RESPONSES TO  
25 THOSE COMMENTS, AND YOU'LL RECEIVE YOUR RESPONSES TO YOUR

1 COMMENTS PRIOR TO ANY ACTION ON THIS PROJECT AT ALL.

2 WITH THAT, I'M GOING TO TURN IT BACK TO SYL AND  
3 WE CAN GET ON TO THE PUBLIC COMMENT PART OF THE MEETING, GET  
4 SOME INPUT ON WHAT YOU THINK ABOUT THE REPORT ITSELF.

5 MS. SALENIUS: IF ANYBODY WISHES TO SPEAK AND  
6 YOU HAVEN'T FILLED OUT A CARD, WOULD YOU PLEASE CHECK WITH  
7 KEN AND GET A CARD.

8 KEN, DID YOU GET ANY YET FROM ANYONE?

9 KEN ASHFORD: NO.

10 MAC DUBE: YOU WANT ONE CARD FOR JUST GENERAL  
11 COMMENTS; RIGHT? YOU DON'T NEED TO HAVE EVERY SINGLE LIST  
12 OF TOPICS YOU WANT TO DISCUSS. THAT'S WHAT YOU HAVE THIS  
13 LADY FOR.

14 MS. SALENIUS: EXCUSE ME. RIGHT NOW WE'RE  
15 JUST ASKING FOR THE COMMENT CARDS SO THAT THE STENOGRAPHER  
16 THAT IS TAKING DOWN THE COMMENTS HERE HAS THE CORRECT  
17 INFORMATION ABOUT EACH OF THE SPEAKERS. SO IF YOU'RE  
18 WISHING TO SPEAK, WE'D LIKE YOU TO FILL OUT A CARD AND THEN  
19 WE CAN BEGIN TAKING YOUR COMMENTS.

20 WE'RE GOING TO BE USING THE MICROPHONE. WHAT I'D  
21 LIKE TO DO IS, KEN, WHEN YOU GET THE CARDS, IF YOU WOULD  
22 CALL OUT THE NAME OF THE FIRST PERSON THAT YOU HAVE AND  
23 THEN, IF YOU HAVE MORE THAN ONE CARD, CALL UP THE SECOND  
24 NAME AS WELL SO THAT WE KNOW WHO'S NEXT IN LINE TO SPEAK.

25 WE'D ALSO LIKE THIS EVENING -- IF YOU AGREE WITH

1 WHAT SOMEONE ELSE HAS SAID, YOU DON'T NECESSARILY NEED TO  
2 REITERATE IT. YOU CAN SIMPLY SAY I AGREE WITH WHOEVER SPOKE  
3 EARLIER AND LET US KNOW THAT. THAT WOULD ALLOW EVERYONE TO  
4 USE THEIR TIME EFFECTIVELY AND BE ABLE TO GO HOME TO THEIR  
5 FAMILIES.

6 I ALSO WILL -- AS YOU'RE MAKING COMMENTS, I WILL  
7 BE WRITING DOWN THE COMMENTS OR QUESTIONS THAT YOU'RE GIVING  
8 US AT THIS POINT. I KNOW WE HAVE THE STENOGRAPHER HERE, BUT  
9 WHAT WE'D LIKE TO DO IS THEN COME BACK AFTER OUR BREAK AND  
10 BE ABLE TO ANSWER ANY OF THE QUESTIONS, AND IT'S A LOT  
11 EASIER FOR ME TO WORK OFF OF THIS, THAN IT IS FOR HER TO SIT  
12 THERE AND TRANSCRIBE THOSE THINGS THAT QUICKLY.

13 SO WITH THAT, DO WE HAVE ANY OF THE CARDS READY AT  
14 THIS POINT?

15 IF NOT, I'LL WAIT A FEW MINUTES.

16 THE COURT REPORTER: SYLVIA, I NEED THIS  
17 GENTLEMAN'S NAME, PLEASE.

18 MS. SALENIUS: HE'S FILLING OUT A CARD.  
19 OKAY.

20 RAMON MENDOZA: MY QUESTION DEALS WITH --  
21 DID YOU WANT THIS ON OR CAN YOU HEAR ME?

22 MS. SALENIUS: TURN IT ON. YEAH. I THINK  
23 THAT WOULD HELP. AND THE OTHER THING IS LET'S TRY TO SPEAK  
24 ONE AT A TIME SO THAT THE STENOGRAPHER CAN TAKE DOWN  
25 EVERYONE'S COMMENTS.

1                   THANK YOU.

2                   RAMON MENDOZA:   OKAY.

3                   MS. SALENIUS:   WOULD YOU IDENTIFY YOURSELF,  
4                   PLEASE?

5                   RAMON MENDOZA:   I'M SORRY?

6                   THE COURT:   WOULD YOU IDENTIFY YOURSELF, JUST  
7                   GIVE YOUR NAME.

8                   RAMON MENDOZA:   YES.   MY NAME IS RAMON  
9                   MENDOZA.   I LIVE IN THE MORONGO BASIN.

10                   I'VE GONE THROUGH THE E.I.R./E.I.S. AND I FIND IT  
11                   VERY EASY TO GO THROUGH, OKAY, AND IT ADDRESSES A LOT OF  
12                   QUESTIONS SUBJECTIVELY.   AND MY CONCERNS ARE FOR THE  
13                   OBJECTIVE SCIENCE BEHIND SOME OF THE THINGS THAT ARE SAID.  
14                   AND I'M SURE THAT'S COMING.

15                   LIKE, FOR EXAMPLE, THE DRY-YEAR SUPPLY PROGRAM  
16                   PROVIDES FOR 150,000-ACRE FEET OF WATER TO BE SHIPPED TO  
17                   METROPOLITAN TO COME STRAIGHT OUT OF SAN BERNARDINO.   IT IS  
18                   NOT PART OF THE COLORADO RIVER WATER.   AND I THINK THAT  
19                   THAT'S -- THAT WITH THE AMOUNT OF WATER THAT'S AVAILABLE OUT  
20                   THERE, THAT THAT IS A GOOD PROGRAM, BUT I'D LIKE TO SEE A  
21                   FIREWALL.   I'D LIKE TO SEE A SLOW-DOWN.

22                   AND HOW DO WE MAKE SURE THAT WHEN METROPOLITAN  
23                   DECLARES A DRY YEAR, THAT IT ISN'T A DRY YEAR HERE AS WELL,  
24                   AND MAKE SOME DECISIONS OVER THAT PARTICULAR  
25                   HUNDRED-FIFTY-THOUSAND ACRE FEET ALLOTMENT TO MAKE SURE THAT



M2-1  
1 WE MIGHT NOT NEED SOME OF THAT HERE AS WELL?

2 MS. SALENIUS: OKAY.

3 KEN ASHFORD: MAYOR DUBE, YOU'RE NEXT.

4 MAC DUBE: THANK YOU. RAMON, THAT'S ONE THAT  
5 I DON'T HAVE TO ASK THAT I HAD ON MY LIST.

6 I'M MAYOR PRO TEM MAC DUBE, AND I DO HAVE A GROUP  
7 OF QUESTIONS. AND I'LL TAKE THEM ONE AT A TIME.

8 I, TOO, HAVE READ THE ENTIRE E.I.R./E.I.S., AND  
9 I'VE UNDERLINED QUITE A FEW, AND I'VE WRITTEN SOME COMMENTS.  
10 I GUESS THE FIRST ONE I'LL DIRECT AT THIS GENTLEMAN.

11 BACK IN MARCH WE ASKED, I THINK, A TOTAL OF 27  
12 QUESTIONS. I KNOW I ASKED THE MAJORITY OF THEM. WE WERE  
13 TOLD AT THAT TIME THAT DURING THE DRAFTING OF THE  
14 E.I.R./E.I.S. THAT YOU GENTLEMEN AND LADIES WOULD GET BACK  
15 TO US.

16 NOBODY HAS GOT BACK TO US UNTIL TONIGHT. NOW, I  
17 DON'T KNOW WHO SPEAKS WITH FORKED TONGUE, BUT WE CERTAINLY  
18 WOULD HAVE LIKED TO HAVE RECEIVED SOME SORT OF INTERIM  
19 REPORT SOMEWHERE ALONG THE LINE.

20 I UNDERSTAND THE -- SUPPORTING THIS THIN DOCUMENT  
21 IS ABOUT 100 POUNDS OF DOCUMENTS. AM I CORRECT?

22 MR. REED: UH-HUH.

23 MAC DUBE: AND WE ARE NOT PRIVY TO THOSE,  
24 ALTHOUGH THEY ARE AVAILABLE IN CERTAIN LOCATIONS, AND  
25 OBVIOUSLY SINCE THE DATE OF THIS PUBLICATION, I HAVE NOT HAD

1 THE TIME TO READ THOSE DOCUMENTS. I TAKE IT THAT THEY  
2 SUPPORT WHATEVER YOU HAVE HERE.

3 I DO NOT KNOW THE NEED OR WHETHER I'M QUALIFIED TO  
4 READ THOSE DOCUMENTS. AND PERHAPS MR. MENDOZA'S QUESTIONS  
5 CAN BE ANSWERED FROM THOSE DOCUMENTS, OR PERHAPS EVERY ONE  
6 OF MY QUESTIONS CAN BE ANSWERED, BUT I DON'T THINK IT'S FAIR  
7 TO THE GENERAL PUBLIC, NOR IS IT FAIR TO ME, TO MAKE A  
8 PRESENTATION AS ELABORATE AS YOU HAVE IT HERE AND EXPECT US  
9 TO REPLY IN A PERIOD OF, DID YOU SAY, 90 DAYS OR 60 DAYS?

10 MS. SALENIUS: NINETY.

11 MAC DUBE: NINETY DAYS WHEN IT'S TAKEN YOU  
12 SINCE MARCH TO PREPARE FOR THIS PRESENTATION. THERE IS AN  
13 IMBALANCE, A GROSS IMBALANCE, IN THE TIME ELEMENT. I THINK  
14 IT'S UNFAIR TO THE GENERAL PUBLIC. IT'S UNFAIR TO THE  
15 COMMUNITIES, AND I THINK THAT NEEDS TO BE BALANCED OFF.

16 THOSE ARE MY PRELIMINARY COMMENTS. NOW LET'S GET  
17 TO SPECIFICS.

18 THE EXTRACTION OF INDIGENOUS WATERS WAS A CONCERN  
19 TO ME IN MARCH. IT'S A CONCERN TO ME, PERSONALLY, AS IT IS  
20 TO THE CONSTITUENTS IN THIS COMMUNITY, AND I'M SURE  
21 THROUGHOUT THE MORONGO VALLEY TODAY, AS IT WAS IN MARCH.

22 IT'S ONE THING TO SPEAK OF METROPOLITAN TAKING  
23 WATER FROM THE DESERT FOR THEIR NEEDS, AND AS MR. MENDOZA  
24 SAID, THERE'S PROBABLY ADEQUATE WATER FOR THAT NEED;  
25 HOWEVER, GIVEN THE FACT THAT WE MAY HAVE DRY YEARS, WE MAY

1 NOT HAVE THE WATER SOURCES THAT WE'RE DEPENDING ON NOW TO  
2 REPLENISH OUR AQUIFERS, THEN YOU HAVE A DRAW DOWN OF THE  
3 AQUIFER, AND WE DON'T KNOW IF WE'RE GOING TO BE ABLE TO  
4 SUSTAIN THE REPLENISHMENT OF THOSE AQUIFERS OVER TWO YEARS,  
5 FIVE YEARS, TEN YEARS OR 15.

6 WE MAY END UP WITH A 25-YEAR SPAN WITH A 20-YEAR  
7 DRY PERIOD. WHAT ARE YOU GOING TO DO THEN? ARE YOU, WITH  
8 CERTAINTY, GOING TO ASSURE THE PEOPLE IN THE HIGH DESERT  
9 THAT THERE WILL BE NO DRAW DOWN OF THOSE AQUIFERS FOR FUTURE  
10 GENERATIONS? I'M NOT TALKING ABOUT MYSELF. I WON'T BE  
11 AROUND HERE, BUT MY CHILDREN AND MY CHILDREN'S CHILDREN WILL  
12 BE.

13 AND I THINK WE NEED A SATISFACTION OF THAT, A  
14 GUARANTEE, IF YOU WILL, THAT THERE WILL BE NO DRAW DOWNS.  
15 IT'S A LOT EASIER FOR US TO GO DOWN OUT THERE AND GET WATER  
16 THAN IT IS TO GO TO THE COAST BECAUSE THE COAST DOESN'T HAVE  
17 IT. THEY'RE COMING OUT HERE TO GET IT. WE CAN'T GO TO  
18 SACRAMENTO AND GET IT. WE CAN'T -- YOU KNOW, WE CAN'T GO TO  
19 THE BAY AREA AND GET IT.

20 THEY'RE WORKING THROUGH THE COLORADO RIVER SO, YOU  
21 KNOW, THE BOTTOM LINE IS WE DON'T WANT A DRAW DOWN OF ANY  
22 DESERT AQUIFER THAT WE ARE GOING TO NEED IN THE FUTURE.

23 SO I THINK THE BIG CONCERN OF MOST DESERT  
24 OCCUPANTS IS NO DRAW-DOWN PERIOD, PERIOD, NO DRAW DOWN.

25 NOW, WHEN I SAY NO DRAW-DOWN, NO EXCESSIVE

1 DRAW-DOWN, WHAT'S EXCESSIVE? YOU'RE THE EXPERTS. HE SEEMS  
2 TO THINK A HUNDRED-FIFTY-THOUSAND ACRE FEET IS NOT  
3 EXCESSIVE. I DON'T KNOW.

4 WHEN YOU HAVE AN AQUIFER THE SIZE OF THAT AQUIFER  
5 OVER THERE, PERHAPS IT CAN SUSTAIN A DRY YEAR WHERE WE DON'T  
6 HAVE ANY RAIN FALL FOR 25 YEARS. I DON'T KNOW. I THINK WE  
7 NEED AN ANSWER, THOUGH, WITH YOUR ENGINEERS AND YOUR  
8 SPECIALISTS, AND MAYBE THE ANSWER LIES IN THOSE DOCUMENTS  
9 THAT WE HAVEN'T SEEN. BUT I THINK ONE OF THOSE FANCY CHARTS  
10 OF YOURS SHOULD SHOW THAT AND ASSURE THE PUBLIC THAT WE  
11 SHOULD HAVE THAT ASSURANCE.

12 OKAY? NOW, I MADE COPIOUS NOTES. SOMEBODY ELSE  
13 WANT TO GET AHEAD OF ME? I'VE GOT SOME OTHER QUESTIONS IN  
14 THERE. ANYBODY ELSE WANT TO GET IN HERE?

15 KEN ASHFORD: THERE'S ANOTHER SPEAKER, SIR,  
16 BUT GO AHEAD.

17 MAC DUBE: PARDON ME?

18 MS. SALENIUS: GO AHEAD.

19 KEN ASHFORD: THERE'S ANOTHER SPEAKER.

20 MAC DUBE: WHO'S THE SPEAKER? WOULD YOU  
21 CARE -- I HAVE SEVERAL OTHER QUESTIONS. WOULD THE OTHER  
22 SPEAKER CARE TO JUMP IN? I DON'T WANT TO MONOPOLIZE THIS  
23 THING, BUT I DO HAVE OTHERS.

24 MS. SALENIUS: I THINK THEY'RE HAPPY TO WAIT,  
25 I GUESS. GO AHEAD, MAC.

1                   MAC DUBE: OKAY. IF YOU'LL PERMIT ME TO FLIP  
2 THROUGH THIS THING, I MADE MARGINAL NOTES IN HERE.  
3 YOUR TERM "INDIGENOUS WATER" IS JUST LOCAL WATER FROM THE  
4 MOUNTAINS, AM I CORRECT?

5                   MR. REED: (NODDING HEAD.)

6                   MAC DUBE: OKAY. NOW, YOU SAY THERE'S NO  
7 THREAT. THERE IS NO THREAT TO OUR LOCAL WATER, AND I GUESS  
8 THE ANSWER TO THAT IS THAT WE -- WATER DOESN'T FLOW UPHILL  
9 IS WHAT I HEARD FROM YOU IN FEBRUARY OR I HEARD FROM WHOEVER  
10 WAS BRIEFING US IN FEBRUARY.

11                   WE HAVE NO THREAT TO OUR WATER HERE BECAUSE THE  
12 WATER UP THERE WOULD HAVE TO FLOW UP HILL IN ORDER TO DAMAGE  
13 OUR WATER SOURCE.

14                   MR. REED: YEP.

15                   MAC DUBE: BUT, CONVERSELY, I SAY TO YOU,  
16 SIR, THAT WATER CAN FLOW DOWNHILL. WE JUST WENT THROUGH A  
17 7.2 EARTHQUAKE. OUR AQUIFERS HERE -- I'M NOT A GEOLOGIST,  
18 BUT I ASK YOU THAT QUESTION. COULDN'T THE WALLS OF OUR  
19 AQUIFERS HERE GET FRACTURED IN AN 8.4, 9.2, OR A LARGE  
20 AQUIFER AND FLOW DOWNHILL TO CADIZ AND WE ARE LEFT WITHOUT  
21 WATER.

22                   HYPOTHETICALLY, COULD THIS HAPPEN? I DON'T NEED  
23 THE ANSWER RIGHT NOW, BUT I WANT THAT QUESTION POSED TO YOUR  
24 GEOLOGICAL EXPERTS OR HYDROLOGISTS, IF YOU WILL.

25 I THINK -- I THINK THAT'S A VIABLE AND --

1 MR. REED: UH-HUH.

2 MAC DUBE: -- AND LOGICAL QUESTION TO POSE,  
3 GIVEN A LARGER EARTHQUAKE THAN WE'VE EXPERIENCED. AND I  
4 M2-5 NEED NOT REMIND YOU THAT WE'VE HAD TWO OF THOSE THINGS OVER  
5 THE LAST SIX YEARS AROUND HERE. PRETTY STRONG EARTHQUAKES.  
6 AND YOU HAVE TO BE HERE TO APPRECIATE THEM. OKAY? I GOT  
7 BOUNCED AROUND PRETTY GOOD IN THE LAST ONE.

8 WHO IS THE REPRESENTATIVE FROM THE B.L.M., THE  
9 HEAD PROJECT ON THIS FROM THE B.L.M?

10 MS. SALENIUS: MOLLY.

11 MOLLY BRADY: I'M RIGHT HERE. I'M THE FIELD  
12 MANAGER OUT OF NEEDLES, AND I'M REPRESENTING B.L.M. OKAY.  
13 GO FOR IT.

14 MAC DUBE: I'VE NEVER MET YOU.

15 MOLLY BRADY: I'M GLAD TO MEET YOU.

16 MAC DUBE: THANK YOU. OKAY.

17 WHERE ARE THE DOCUMENTS IF I NEED TO READ THEM IN  
18 THE NEXT 60 DAYS? AND I PLEAD WITH YOU TO EXTEND THAT TIME.  
19 M2-6 I REPEAT THAT. BUT IF I NEED -- IN READING THIS, I HAVE  
20 FOUND SEVERAL ITEMS THAT I WANT TO LOOK INTO FURTHER --

21 MS. SALENIUS: CORRECT.

22 MAC DUBE: -- WHERE IS THE NEAREST PLACE I  
23 CAN GET IT?

24 MS. SALENIUS: I'M GOING TO WANT TO ANSWER  
25 THAT NOW BECAUSE --

1                   MAC DUBE:  OTHER THAN GOING TO A FRIEND AND  
2 BORROWING A COPY?

3                   MS. SALENIUS:  I'M GOING TO ANSWER THAT NOW  
4 BECAUSE I THINK IT'S IMPORTANT FOR EVERYONE IN THE ROOM.

5                   MAC DUBE:  WHERE DOES THE GENERAL PUBLIC GO?

6                   MS. SALENIUS:  THEY CAN GO TO THE TWENTYNINE  
7 PALMS BRANCH PUBLIC LIBRARY --

8                   MAC DUBE:  OKAY.

9                   MS. SALENIUS:  -- THE NEEDLES BRANCH PUBLIC  
10 LIBRARY, THE BARSTOW BRANCH.

11                  MAC DUBE:  AND THEY HAVE EVERYTHING?

12                  MS. SALENIUS:  THEY HAVE TWO SETS AT THE  
13 LIBRARY.

14                  RAMON MENDOZA:  AS OF WHEN?

15                  MS. SALENIUS:  THEY'VE HAD THEM SINCE THE  
16 FIRST WEEK THAT THE DOCUMENT WAS OUT.

17                  RAMON MENDOZA:  I WENT TO TRY TO GET THOSE  
18 DOCUMENTS FROM SAN BERNARDINO COUNTY LIBRARY AND THEY SAID  
19 THEY DID NOT HAVE THEM.

20                  MATTER OF FACT, THEY GAVE ME BACK INFORMATION,  
21 WHICH I DON'T HAVE HERE, SHOWS THEY'RE ONLY AVAILABLE AT  
22 NEEDLES, BARSTOW, METROPOLITAN WATER AND AT RIVERSIDE  
23 DISTRICT OFFICE OF THE B.L.M.

24                  MAC DUBE:  EXCUSE ME, MR. MENDOZA.  I'VE  
25 MADE MY POINT.  I RECEIVED A CALL YESTERDAY THAT TOLD ME THE

M2-7

1 DOCUMENTS WERE NOT PUBLICLY AVAILABLE. IT SUFFICES TO SAY  
2 THAT YOU NEED TO LOOK INTO IT.

3 MS. SALENIUS: WE WILL LOOK INTO THAT AND  
4 MAKE SURE THAT THERE ARE APPROPRIATE COPIES AT ALL OF THE  
5 PUBLIC LIBRARIES. THE LIBRARIES WERE SENT COPIES.

6 MAC DUBE: OKAY. IN TABLE ES-2 ON PAGE ES-8  
7 UNDER "EXECUTIVE SUMMARY," WHEN YOU SPEAK OF "INTERNAL  
8 PRESSURE," ARE YOU TALKING ABOUT THE MEASURES IN FEET OR  
9 ELEVATION OF HEAD? ARE YOU TALKING ABOUT INTERNAL PRESSURE  
10 OF WATER? IS THIS MEASURED ON A PIPE OF SOME SORT THAT WAS  
11 DRILLED INTO THE GROUND? ARE YOU TALKING ABOUT FOOT POUNDS  
12 IN THIS DIAGRAM ON THE PRESSURE -- PRESSURE OF A PIPE, TEST  
13 PIPE?

14 MS. SALENIUS: SIR, EXCUSE ME. WHAT WE'RE  
15 GOING TO DO IS WE'RE GOING TO TAKE ALL THE QUESTIONS NOW,  
16 THEN WE'RE GOING TO TRY TO COVER THEM.

17 MAC DUBE: OKAY. PAGE ES-8, INTERNAL  
18 PRESSURE.

19 MS. SALENIUS: OKAY. WHAT DO WE MEAN BY  
20 THAT?

21 MAC DUBE: I WANT TO KNOW WHAT YOUR FIGURES  
22 ARE AND WHO WENT OUT THERE IN THE WIDE AREA OUT THERE AND  
23 COUNTED THE DESERT TORTOISE AND ACTIVE BURROWS AND OLD  
24 BURROWS? SOMEBODY ACTUALLY GO OUT THERE? PARDON ME.

25 I'M NOT GOING TO CALL ANYBODY A LIAR, BUT WHEN I



1 SEE SCAT AND I SEE 11 ACROSS THE BOARD FOR EASTERN, WESTERN  
2 COMBINATION AND EAST CANAL, YOU KNOW, IT RAISES A BIG  
3 QUESTION. I HAD TO SMILE AT THAT ONE.

M2-9  
4 OKAY? BUT ELEVEN TORTOISES IN EACH ONE OF THE  
5 AREAS SOUNDS LIKE A REAL NICE FAMILY, YOU KNOW, WELL  
6 DISTRIBUTED, HUH? COME ON, GUYS.

7 THE PUMPING PLANTS. DO YOU HAVE -- I'VE GOT A  
8 LOT OF QUESTIONS ABOUT THE PUMPING AND I SAW YOUR CHARTS AND  
9 EVERYTHING ELSE AND I'M NOT BEING FACETIOUS, BUT I WOULD  
10 HAVE LIKED TO HAVE SEEN -- AND I READ -- IN EVERYTHING I  
11 READ IN HERE, IN YOUR CHARTS, I DIDN'T SEE ANY SORT OF A  
12 PHASE LINE PLAN.

MZ-10  
13 THIS EVALUATION IS NOT A CHEAP ONE, NOR IS IT A  
14 QUICK PLAN. HOW MUCH TIME WILL BE DEVOTED TO THE EVALUATION  
15 OF THIS PLAN? YOU'RE TALKING ABOUT DIGGING A DITCH AND  
16 LINING IT WITH CONCRETE OR EXTENDING A PIPELINE FROM THE  
17 COLORADO RIVER TO CADIZ.

18 MR. REED: UH-HUH.

19 MAC DUBE: HOW MANY YEARS ARE YOU TALKING  
20 ABOUT FOR THIS EVALUATION AND PUTTING AN ELECTRICAL --  
21 EITHER UNDERGROUND ELECTRICAL OR OVERHEAD ELECTRICAL ALL THE  
22 WAY TO CADIZ? HOW MANY YEARS ARE WE TALKING ABOUT HERE OR  
23 MONTHS? IS THERE A TIME LINE? THAT'S ONE OF THE QUESTIONS  
24 I HAVE. AND YOU PROBABLY DON'T HAVE THE ANSWER, BUT I'D  
25 LIKE TO HAVE THAT. A PHASE LINE, IF YOU WILL.

MZ-10

1  
2  
3

IF A PROJECT -- IF YOU'VE GONE THIS FAR WITH A STUDY, THERE MUST BE SOME SORT OF A PHASE LINE OR STUDY LINE IN THERE SOMEWHERE.

MZ-11

4  
5  
6  
7  
8  
9  
10  
11

OKAY. THE SEISMIC MITIGATION MEASURES. WOULD YOU PLEASE REVIEW ON PAGE ES-21 THAT THERE IS NO MITIGATION NECESSARY FOR SEISMIC TOPOGRAPHY, GEOLOGY, SOILS AND SEISMICITY. NO MITIGATION NECESSARY? I DON'T UNDERSTAND. I THINK THAT'S GOT TO BE WRONG. I THINK THE MITIGATION -- YOU'D HAVE MITIGATION IN THERE SOMEWHERE FOR REINFORCEMENT OF YOUR CULVERTS, OF YOUR PIPELINE, OF YOUR -- IT DOESN'T SOUND RIGHT.

12

OKAY?

13

MR. REED: OKAY.

14

MAC DUBE: SO I THINK THERE'S GOT TO BE SOME

15

ANSWERS THERE SOMEPLACE.

16

I ONLY HAVE A COUPLE MORE. PLEASE BE PATIENT.

17

MZ-12

OKAY. THERE WAS THE SAME THING. UNPREDICTABLE. THE TOPOGRAPHY, GEOLOGY, SEISMICITY AND SOILS. MY NOTATION WAS SOMEBODY HAD A CRYSTAL BALL, UNPREDICTABLE.

20

AND I WAS BEING FACETIOUS IN MY OWN NOTES, BUT I'M JUST LOOKING FOR AN ANSWER. THE BOTTOM LINE IS I WAS VERY DISAPPOINTED.

23

WE HAVE A GOOD RELATIONSHIP WITH THE FOLKS AT

24

CADIZ. THEY TOOK THE PAINS TO TAKE ME PERSONALLY DOWN THERE

25

AND GIVE ME A BRIEFING. THEY HAVE SOME -- THEY HAVE AN

MZ-13

1 ENGINEER OVER THERE WHO WAS VERY PATIENT WITH ME WHO  
 2 EXPLAINED THE PROCESS, WHO SHOWED ME PERSONALLY AND HAS  
 3 BRIEFED OTHER PEOPLE ON THE LAYOUT OF WHAT THEY PLAN TO DO  
 4 WITH THE -- WITH SOME OF THE PONDS.

5 MR. REED: UH-HUH.

6 MAC DUBE: AND THE LAYOUT. I'M IMPRESSED  
 7 WITH WHAT THEY PLAN TO DO, BUT I THINK THERE'S SOME REAL  
 8 CONCERNS FOR THE PUBLIC AND I THINK THOSE CONCERNS NEED TO  
 9 BE ADDRESSED. I DON'T KNOW WHAT THE PRESS IS FOR 60 DAYS.  
 10 IS THIS A SELF-IMPOSED ONE? IS THIS ONE IMPOSED BY B.L.M?  
 11 IS THIS ONE IMPOSED BY THE STATE? WHO IMPOSES IT?

12 IF IT'S SELF-IMPOSED, I SUGGEST TO YOU THAT YOU  
 13 EXTEND IT, ALLOW THE PUBLIC TO TAKE A LOOK AT THE DOCUMENTS  
 14 AND AT LEAST GIVE THEM ADEQUATE TIME TO ASK THE RIGHT  
 15 QUESTIONS.

16 THANK YOU.

17 KEN ASHFORD: NEXT SPEAKER IS MS. SUSAN  
 18 REILLY.

19 SUSAN REILLY: I'M SUSAN REILLY. I LIVE  
 20 HERE IN TWENTYNINE PALMS.

21 MY BIG CONCERN ABOUT THIS PROJECT IS WHEN YOU LOOK  
 22 BACK ON THE HISTORY OF WATER WHEELING AND DEALING AND  
 23 BATTLING, WHICH HAS GONE ON FOR A LONG TIME, THERE'S SOME  
 24 VERY SAD EXAMPLES OF THINGS THAT HAVE HAPPENED THAT ARE  
 25 HAVING TO BE RECTIFIED NOW, AND I WOULD LIKE TO SEE

1 MEASURES TAKEN TO PREVENT SUCH THINGS FROM HAPPENING TO THIS  
2 AREA UNDER DISCUSSION NOW AND UP AROUND CADIZ IN THE AQUIFER  
3 THERE. I DON'T WANT TO SEE LOS ANGELES AND ITS VICINITY  
4 DRYING UP DESERT AQUIFERS.

5 I GUESS MY CONCERNS ARE VERY SIMILAR TO MAC'S HERE  
6 BECAUSE THESE THINGS HAVE HAPPENED IN THE PAST, IF YOU LOOK  
7 UP WATER HISTORY, UNFORTUNATELY.

8 AND SO I THINK THAT SOMETHING SHOULD DEFINITELY BE  
9 DONE AT THE START OF THIS PROJECT TO SET A LIMIT TO HOW MUCH  
10 DRAINAGE CAN BE DONE FROM THAT AQUIFER, HOW LOW IT SHOULD BE  
11 ALLOWED TO GO, AND I DON'T UNDERSTAND THE TECHNICALITIES OF  
12 THESE THINGS, BUT IS IT POSSIBLE TO MEASURE HOW FULL AN  
13 AQUIFER IS AT ANY GIVEN TIME BY THE DEPTH OF THE WATER IN  
14 THE WELLS?

15 MR. REED: UH-HUH.

16 SUSAN REILLY: CAN THAT BE DONE?

17 MR. REED: UH-HUH.

18 SUSAN REILLY: IT CAN?

19 MR. REED: YES, MA'AM.

20 SUSAN REILLY: UH-HUH. WELL, AND THEN CAN  
21 YOU PLACE A LOW-POINT LIMIT ON HOW MUCH WATER CAN BE DRAWN  
22 FROM THE AQUIFER?

23 MR. REED: UH-HUH.

24 SUSAN REILLY: THIS SHOULD BE DONE TO START  
25 WITH, I THINK, AND IT SHOULD HOLD THROUGH THE WHOLE PROJECT,

1 THE 50-YEARS' ENDURANCE BECAUSE THIS COULD BE CHANGED AND  
2 TWISTED AROUND BY POLITICS ON THE WAY THROUGH, AND IF IT  
3 BECOMES A POLITICAL ISSUE WITH A CERTAIN COMMITTEE RUNNING  
4 THE THING, IT WORRIES ME FOR FEAR THIS COMMITTEE MIGHT GET  
5 TOO HEAVILY-WEIGHTED ON THE SIDE OF TOO MANY PEOPLE WHICH  
6 WOULD ACTUALLY BE LOS ANGELES, OF COURSE, AND WHO COULD  
7 STAND UP TO LOS ANGELES WHEN IT CAME TO THAT.

8 M2-14  
9 SO I FEEL THAT SOMETHING SHOULD BE DONE, A  
10 DEFINITE LIMIT SHOULD BE PUT ON THIS AQUIFER AND HOW MUCH IT  
11 CAN BE DRAINED, AND WHEN IT GETS TO THAT POINT, STOP TAKING  
12 ANYMORE OUT.

13 THEN ANOTHER -- I HAVE A QUESTION ABOUT WHAT WOULD  
14 HAPPEN IF IN A BIG YEAR FOR THE COLORADO RIVER, WHEN THERE'S  
15 FLOODING AND EXTRA WATER THAT YOU WANT TO STORE AWAY,  
16 SUPPOSE THERE'S A -- WELL, WOULDN'T THERE BE ALSO A BIG  
17 RECHARGE COMING IN FROM THE MOUNTAINS FROM THE FENNER PASS  
18 ON THE SAME YEAR BASIS?

18 MR. REED: UH-HUH.

19 SUSAN REILLY: AND I WAS TOLD THAT RECHARGE  
20 WATER MOVES VERY SLOWLY. WELL, THE WATER THROUGH YOUR PIPE  
21 CAN BE PUMPED PRETTY FAST. SO WHAT IF YOU FILL THE AQUIFER  
22 ALL UP WITH COLORADO RIVER WATER AND YOUR RECHARGE CAME  
23 SEEPING DOWN FROM THE MOUNTAINS? WHERE WOULD IT GO IF THE  
24 AQUIFER WAS ALREADY FULL OF COLORADO RIVER WATER? WOULD IT  
25 GO -- COME UP TO THE SURFACE OR WOULD IT FLOW ON DOWN TO

MZ-15  
1 BRISTOL LAKE OR WHAT WOULD HAPPEN TO IT?

MZ-16  
2 WELL, THIS IS ABOUT ALL I HAVE TO SAY. MY BIG  
3 CONCERN IS THAT I DON'T WANT TO SEE THAT AQUIFER DRAINED, AS  
4 MANY AQUIFERS HAVE BEEN BY BIG WATER DEMANDS IN THE PAST. I  
5 THINK MEASURES SHOULD BE TAKEN TO DEAL WITH THAT BEFORE THIS  
6 IS EVEN STARTED.

7 THANK YOU.

8 MS. SALENIUS: THANK YOU. DO HAVE WE HAVE  
9 ANY OTHER SPEAKERS? IF THAT IS THE CASE -- ARE YOU GOING TO  
10 SPEAK?

11 KEN ASHFORD: I THINK HE MIGHT HAVE ONE.

12 DAVID FICK: I MIGHT HAVE ONE. I WAS  
13 WRITING MY QUESTIONS ON MY CARD.

14 MS. SALENIUS: THAT'S OKAY. WE CAN TAKE  
15 WRITTEN AND ORAL COMMENTS.

16 DAVID FICK: OKAY. LET ME ASK MY QUESTIONS  
17 AND I'LL HAND YOU THE CARD.

18 MS. SALENIUS: GIVE US YOUR NAME, PLEASE.

MZ-17  
19 DAVID FICK: MY NAME'S DAVID FICK, F-I-C-K,  
20 DESERT ENVIRONMENTAL RESPONSE TEAM. I'VE BEEN BUSY WITH  
21 EAGLE MOUNTAIN LATELY SO I HAVEN'T BEEN ABLE TO COVER THIS  
22 TOO WELL, BUT I STILL HAVE THE QUESTION ABOUT WHO HAS THE  
23 FINAL SAY -- AND IT'S A REPEAT OF A QUESTION I ASKED WHEN I  
24 WAS HERE LAST TIME -- WHO HAS THE FINAL SAY OF THE WATER  
25 QUALITY GOING INTO THE AQUIFER, IF THAT WOULD BE

1 METROPOLITAN WATER DISTRICT OR, I GUESS, CADIZ WOULD BE THE  
2 TWO.

3 OR, WHO ELSE IS IN CHARGE OF THE WATER QUALITY  
4 M2-17 GOING INTO THE AQUIFER? I HOPE IT WOULDN'T BE THE COLORADO  
5 REGIONAL WATER BOARD.

6 ANOTHER QUESTION I WOULD HAVE IS ABOUT THE WATER  
7 T.D.S. I ASSUME THAT THE T.D.S. IN THE WATER COMING FROM  
8 THE COLORADO IS GOING TO BE HIGHER THAN THE T.D.S. OF THE  
9 WATER THAT'S IN THE AQUIFER AND COMES THE QUESTION: WITH  
10 THE COLLECTION OF THE T.D.S. GOING INTO THE PERCOLATION  
11 PONDS, IS THAT GOING TO EFFECT THE PERMEABILITY OF THE  
12 PERCOLATION PONDS.

13 M2-18 I DON'T QUITE HAVE AN UNDERSTANDING THERE OF THE  
14 TOTALLY UNDISSOLVED SOLIDS. WHEN DO THEY NOT REMAIN SOLID,  
15 AND IF THEY'RE GOING TO INTERREACT WITH WHAT'S IN THE  
16 AQUIFER? AND THAT'S WHAT I CAN THINK OF NOW.

17 ONE MORE. I COULDN'T FIND PUBLIC COMMENTS.  
18 THERE WAS A -- WHAT'S THE WORD FOR IT -- SUMMATION OF  
19 M2-19 CONCERNS OF THE PUBLIC, AND THERE'S A REFERENCE TO PUBLIC  
20 COMMENTS BEING SOMEPLACE, AND I DON'T SEE A COMPLETE PUBLIC  
21 COMMENTS BECAUSE I WAS INTERESTED IN WHAT THEY SAID AT  
22 NEEDLES.

23 MS. SALENIUS: OKAY. OKAY.

24 MAC DUBE: I JUST THOUGHT OF A FOLLOW-UP HERE  
25 THAT I WROTE DOWN I FORGOT TO ASK.

M 2-20

1 I BELIEVE I ASKED THAT IN MARCH, BUT SOMEBODY WAS  
2 GOING TO GET BACK TO ME. WHAT HAPPENS TO THE SEDIMENT THAT  
3 THEY BULLDOZE OUT OF THE PERCOLATION PONDS? WHERE DOES THAT  
4 GO?

5 MS. SALENIUS: OKAY.

6 MAC DUBE: I DON'T KNOW IF IT'S CONSIDERABLE  
7 OR NOT. I ASKED THE QUESTION AND I DON'T REMEMBER GETTING  
8 AN ANSWER ON IT. IS THAT LOCAL? IS IT SALABLE? IS IT --  
9 YOU KNOW, DO THEY BAG IT UP AND SELL IT? I THINK IT'S  
10 MEASURED IN TONS.

11 MS. SALENIUS: OKAY.

12 MAC DUBE: WHAT DO THEY DO WITH IT?

13 MS. SALENIUS: OKAY.

14 ARE THERE ANY FURTHER ORAL COMMENTS AT THIS  
15 POINT? IF THERE AREN'T ANY, WHAT WE'D LIKE TO DO IS TAKE A  
16 SHORT BREAK, ABOUT TEN MINUTES, AND THEN WE'RE GOING TO TAKE  
17 A LOOK AT THE QUESTIONS THAT WE'VE GOT, AND AFTER THE  
18 10-MINUTE BREAK, IF YOU'D COME BACK INTO THE ROOM, WE'RE  
19 GOING TO GO THROUGH THE QUESTIONS AND SEE WHICH ONES WE CAN  
20 PROVIDE ANSWERS TO TONIGHT.

21 THERE MAY BE SOME THAT WE CAN'T ANSWER TONIGHT,  
22 BUT YOU'LL HAVE A WRITTEN RESPONSE IN THE FINAL  
23 ENVIRONMENTAL REPORT SO ONE WAY OR ANOTHER WE'RE GOING TO  
24 GET AN ANSWER.

25 OKAY. THANK YOU VERY MUCH. AND HOPEFULLY YOU CAN



1 STICK AROUND FOR THE RESPONSES TO THE QUESTIONS.

2 (THERE WAS A SHORT RECESS TAKEN AT 8:03 P.M.  
3 UNTIL 8:24 P.M.)

4 MS. SALENIUS: OKAY. WE'VE LOOKED OVER THE  
5 QUESTIONS THAT WERE ASKED EARLIER, AND MR. REED IS GOING TO  
6 TRY TO ANSWER AS MANY OF THOSE AS HE CAN AT THIS POINT.

7 MR. REED: I CAN TELL YOU THAT THERE'S SOME  
8 QUESTIONS I'M JUST NOT GOING TO BE ABLE TO ANSWER HERE.  
9 HOPEFULLY, YOU DIDN'T EXPECT ME TO GET INTO THE DETAILS. WE  
10 WILL HAVE TO GET BACK TO YOU ON SOME OF THOSE, BUT I'M GOING  
11 TO TRY TO WALK THROUGH SOME OF THOSE I CAN THE BEST I CAN.

12 MS. SALENIUS: AS I MENTIONED EARLIER, ALL OF  
13 THE QUESTIONS WILL BE IN THE FINAL ENVIRONMENTAL IMPACT  
14 REPORT, IMPACT STATEMENT, AND THEY WILL BE ANSWERED  
15 INDIVIDUALLY.

16 MR. REED: FIRST ONE THAT WE'RE TALKING ABOUT  
17 HERE HAS TO DO WITH THE TAKING AND EXTRACTING OF THE  
18 GROUNDWATER. AND I WENT INTO A LITTLE BIT ABOUT THAT, WHAT  
19 WE'RE GOING TO BE PUTTING INTO PLACE TO ENSURE THERE'S NO,  
20 OF COURSE, EFFECTS ON THE GROUNDWATER BASIN. THAT IS THE  
21 GROUNDWATER MANAGEMENT MONITORING PLAN.

22 THAT GROUNDWATER MANAGEMENT MONITORING PLAN IS  
23 GOING TO LOOK AT THE NATURAL RECHARGE OF THE GROUND WATER  
24 BASIN, HOW MUCH IS IT IS. WE'VE DONE SOME ANALYSIS. WE  
25 THINK WE HAVE AN IDEA WHAT IT IS, BUT IT'S GOING TO BE

1 CONTINUALLY UPDATED TO ENSURE WE DON'T EXCEED THAT, DON'T  
2 EXTRACT MORE WATER OUT OF THERE, AND HARM THE GROUND WATER  
3 BASIN.

4 THAT GROUNDWATER MANAGEMENT PLAN IS GOING TO BE  
5 MADE AVAILABLE PRIOR TO THE FINAL DOCUMENTATION. IT'S GOING  
6 TO BE IN A LIVING DOCUMENT, UPDATED ANNUALLY, MADE AVAILABLE  
7 TO THE PUBLIC. THAT'S BASICALLY WHAT WE HAVE ON THIS.

8 THERE'S A LOT MORE DETAILS IN THE GROUNDWATER  
9 REPORT -- GROUNDWATER RESOURCE REPORT, WHICH IS AN  
10 ATTACHMENT TO THE E.I.R. ITSELF.

11 RAMON MENDOZA: WHAT YOU'RE BASICALLY  
12 SHARING IS THAT THE RECHARGE IS GREATER THAN A  
13 HUNDRED-FIFTY-THOUSAND ACRE FEET A YEAR?

14 MR. REED: THE RECHARGE IS MORE OF AN  
15 CONSTANT NUMBER. THERE WILL BE A LOT OF YEARS WE DON'T  
16 EXTRACT WATER AND SOME YEARS WHERE WE DO EXTRACT WATER. THE  
17 RECHARGE OVER THE PROJECT PERIOD IS GOING TO BE GREATER THAN  
18 WHAT WE --

19 RAMON MENDOZA: ARE YOU WILLING TO SAY WHAT  
20 YOU'VE ESTIMATED THE RECHARGE IS?

21 MR. REED: THE ESTIMATED RECHARGE IS ROUGHLY  
22 30,000-ACRE FEET PER YEAR. AND THE MORE DETAILS ON THAT,  
23 EXACTLY WHAT THOSE NUMBERS ARE ARE IN THE GROUNDWATER  
24 RESOURCES REPORT. I HAVE A TENDENCY TO ROUND THEM OFF TO  
25 ZEROS, BUT THE REAL NUMBER IS IN THE GROUNDWATER REPORT.

M2-21

1                   MARVIN SHAW: THAT'S AN EPISODIC SUPPLY, NOT  
2 A CONTINUOUS SUPPLY.

3                   MR. REED: THE COLONEL ASKED SEVERAL  
4 QUESTIONS WHY WE HAVEN'T BEEN BACK AND I DO APOLOGIZE WHY  
5 WE HAVEN'T BEEN BACK. WE'VE HAD ROUGHLY FOUR HUNDRED  
6 PEOPLE WE'VE BRIEFED ON THIS PROJECT, A MEETING -- THREE  
7 MEETINGS A WEEK ON THIS PROJECT. I HAVEN'T ATTENDED ALL OF  
8 THEM, CAN'T GO TO ALL OF THEM.

9                   THE CADIZ PEOPLE HAVE PEOPLE UP AT THE RANCH  
10 PERIODICALLY TO BRIEF THEM ABOUT THE PROGRAM. SHOULD HAVE  
11 COME BACK TO SEE YOU AND IN THE CITY COUNCIL, AND WE DO  
12 APOLOGIZE FOR NOT DOING THAT, AND THERE'S NOT MORE I CAN SAY  
13 ABOUT THAT. I DO APOLOGIZE FOR NOT BEING BACK HERE.

14                  MAC DUBE: DON'T GET ME WRONG. THEY DID A  
15 GOOD JOB BRIEFING US AND ANSWERING OUR QUESTIONS ON THE SITE  
16 OVER THERE. I HOPE I CLARIFIED THAT.

17                  MR. REED: YES. WE TRIED TO BREAK UP SOME  
18 OF THOSE THINGS WHEN THEY WERE OUT IN THE FIELD, THEY COULD  
19 HANDLE SOME OF THE PEOPLE OUT THERE. I DIDN'T GO OUT TO  
20 THOSE ALL THE TIME. I TRIED TO ATTEND A FEW OF THEM, BUT  
21 NOT ALL OF THEM.

22                  BASICALLY WHAT YOU'RE TALKING ABOUT THERE IS -- IN  
23 HERE IS THE REVIEW PERIOD. HOW LONG DOES THE PUBLIC HAVE TO  
24 REVIEW THE DOCUMENT?

25                  YOU'RE RIGHT. WE HAVE BEEN PREPARING IT SINCE

1 MARCH. WE'VE HAD ROUGHLY THREE MILLION DOLLARS WORTH OF  
2 STUDIES GOING ON TO RESPOND TO THE COMMENTS AND THE INPUT WE  
3 GOT IN THE SCOPING MEETINGS. IT TAKES US TIME TO DO THAT  
4 MODELING ANALYSIS.

5 WE'VE HAD PEOPLE OUT IN THE FIELD LOOKING FOR  
6 DESERT TORTOISES, CERTIFIED BIOLOGISTS BY THE FISH AND  
7 WILDLIFE SERVICE, LOOKING FOR DESERT TORTOISES OUT IN THE  
8 FIELD. IT TAKES TIME TO DO THAT. THAT'S THE REASON WHY  
9 IT'S TAKEN US TIME TO PREPARE THE DOCUMENTS. ROUGHLY, I'D  
10 SAY ABOUT A FOOT AND A HALF THICK OF DOCUMENTS ON THIS  
11 PROJECT.

12 NORMAL C.E.Q.A. COMMENTS -- CALIFORNIA  
13 ENVIRONMENTAL QUALITY ACT -- IS 45 DAYS FOR COMMENTS. WE'VE  
14 DOUBLED THAT ON THIS PROJECT. WE'VE EXTENDED IT TO 90 ON  
15 THIS PROJECT.

16 NEXT ONE IS THE EXTRACTION OF INDIGENOUS  
17 GROUNDWATER. YOU'RE TALKING ABOUT WHAT IS THE EFFECT GOING  
18 TO BE HERE IN TWENTYNINE PALMS? IT IS LOWER. YOU'RE  
19 RIGHT. THE BASIN THAT WE'RE TALKING ABOUT IS QUITE A BIT  
20 LOWER THAN THE TWENTYNINE PALMS BASIN.

21 YOU'RE TALKING ABOUT 1,200-FEET ELEVATION,  
22 1800-FEET ELEVATION UP HERE, LESS THAN 600 IN THE BRISTOL  
23 DRY LAKE AND CADIZ AREA. THERE'S ROCK. THERE'S QUITE A BIT  
24 OF STRUCTURE BETWEEN THE TWO GROUNDWATER BASINS, AND I CAN'T  
25 GO INTO THE DETAILS ABOUT IT BECAUSE I'M NOT A GEOLOGIST.

1 WE'LL PUT THE GEOLOGISTS ON THAT TO EXPLAIN THE MOVEMENT AND  
 2 HOW COME IT CAN'T MOVE FROM ONE GROUNDWATER BASIN TO  
 3 ANOTHER.

4 MAC DUBE: MAY I FOLLOW UP ON THAT? THAT WAS  
 5 ONE OF THE QUESTIONS THAT I POSED BACK IN MARCH, THE  
 6 FRACTURE OF AN AQUIFER WALL WITH FLOW OF WATER FROM HIGH TO  
 7 LOW OR LOW TO HIGH.

8 MS. SALENIUS: RIGHT.

9 MAC DUBE: HAD THAT BEEN ANSWERED, I THINK I  
 10 WOULDN'T HAVE TO ASK IT AGAIN.

11 MR. REED: WE'LL MAKE SURE WE ANSWER IT.

12 MS. SALENIUS: THERE IS SOME DISCUSSION IN  
 13 THE BIG DOCUMENT.

14 MAC DUBE: YOU DON'T KNOW WHAT A 9.4 WILL  
 15 DO, AND WE'LL PROBABLY NEVER HAVE ONE, BUT THEN, AGAIN, WE  
 16 COULD POSSIBLY HAVE ONE NEXT WEEK. WE DON'T KNOW. SOMEBODY  
 17 SHOULD LOOK INTO IT.

18 MS. SALENIUS: OKAY.

19 MR. REED: AGAIN, WHAT WE'RE TALKING ABOUT  
 20 HERE -- I'M SORRY. I WENT DOWN. B.L.M. REPRESENTATIVE. WE  
 21 ANSWERED THAT. MOLLY IS THE NEEDLES FIELD REPRESENTATIVE.  
 22 SHE'S OVER THIS AREA.

23 YOUR COMMENT HERE HAS TO DO WITH TABLE ES-2. WHAT  
 24 IS THE INTERNAL PRESSURE? WHAT DOES THAT MEAN? WHAT WE  
 25 LOOKED AT IN HERE IS WHAT'S THE INTERNAL PRESSURE OF THAT

1 PIPE? IT MAKES A BIG DIFFERENCE ON WHAT THAT PIPE CAN  
 2 WITHSTAND. THE LOWER THE PRESSURE, THE THINNER THE STEEL,  
 3 THE MORE -- LESS PROBLEMS WE HAVE ON MAINTENANCE AND  
 4 OPERATING THAT PIPE. THAT'S THE NUMBER THAT YOU SEE IN  
 5 THERE.

6 THERE'S A LOT OF DIFFERENT WAYS YOU CAN SHOW WHAT  
 7 THAT NUMBER IS, POUNDS PER SQUARE INCH, P.S.I., ANOTHER ONE  
 8 IS FEET. FOOT OF HEAD IS ANOTHER WAY OF DEMONSTRATING WHAT  
 9 THE INTERNAL PRESSURE OF A PIPE IS.

10 MAC DUBE: MY QUESTION WAS IS THAT AT THE  
 11 HEAD OR IS THAT AT THE --

12 MR. REED: THAT'S THE MAXIMUM PRESSURE. IT'S  
 13 ABOUT HALFWAY BETWEEN.

14 MAC DUBE: HALFWAY BETWEEN?

15 MR. REED: IT'S NOT EXACTLY, BUT IT'S THE  
 16 MAXIMUM PRESSURE OF THE FACILITY THAT THE PIPE'S GOING TO  
 17 SEE.

18 OKAY. DESERT TORTOISE ISSUES. I MENTIONED THIS  
 19 JUST A SECOND AGO. WE'VE HAD A TEAM OF PEOPLE OUT THERE  
 20 REVIEWING DESERT TORTOISES. YOU MENTIONED 11 SCAT.

21 WHAT THAT IS IS THERE'S SOME AREAS OF THE PROJECT  
 22 BETWEEN ALL THE ALTERNATIVES THAT ARE COMMON, SO WHEN THEY  
 23 RAN ACROSS THAT, IT HIT ALL OF THEM. SOME OF THE PROJECT  
 24 ELEMENTS ARE NOT COMMON, AND THAT'S WHY YOU SEE SOME  
 25 DIFFERENCE IN SOME OF THOSE NUMBERS.

1 WE'VE HAD PEOPLE OUT THERE. THEY'VE WALKED EVERY  
2 ALTERNATIVE, 35 MILES OF THE ALTERNATIVES. THEY COME BACK,  
3 THEY MOVE OVER A FEW HUNDRED FEET, THEY WALK THEM AGAIN.  
4 AND THAT'S HOW THEY DO THAT. ITS PROTOCOL IS ESTABLISHED BY  
5 THE FISH AND WILDLIFE SERVICE AND FISH AND GAME TO EVALUATE  
6 ANY IMPACTS OF DESERT TORTOISES BY THIS PROGRAM.

7 COMMENTS YOU HAD HERE HAS TO DO WITH PHASING OF  
8 THE CONSTRUCTION OF THE PROJECT. I DIDN'T GET INTO THAT AND  
9 I SHOULD HAVE DURING MY PRESENTATION.

10 WHAT WE'RE LOOKING AT, ASSUMING THAT THE PROJECT  
11 MOVES FORWARD, ASSUMING THAT THE METROPOLITAN BOARD ADOPTS  
12 IT, B.L.M. MOVES FORWARD ON THE ENVIRONMENTAL DOCUMENTATION,  
13 ALSO, WE'RE LOOKING AT ABOUT 14 MONTHS OF CONSTRUCTION ON  
14 THIS PROGRAM. IT'S NOT DRAWN OUT OVER A LONG PERIOD OF  
15 TIME. TWELVE TO FOURTEEN MONTHS IS A LONG TIME, BUT FOR A  
16 BIG, MAJOR PROJECT LIKE THIS, THAT'S MOVING PRETTY QUICKLY.  
17 WHAT WE WANT TO TRY TO DO IS BE ABLE TO STORE WATER AS SOON  
18 AS WE CAN, BRING IT IN, GET IT INTO THE GROUNDWATER BASINS  
19 AND STORE IT.

20 IF WE'RE UP HERE BUILDING A FACILITY FOR MULTIPLE  
21 YEARS, WE ARE NOT BEING ABLE TO STORE THE WATER. SO WE WANT  
22 TO GET IT BUILT AS FAST AS WE CAN, GET THAT, THE WATER IN,  
23 GET IT IN STORAGE WHILE WE HAVE IT AVAILABLE. WE'RE LOOKING  
24 AT ABOUT 14 MONTHS AFTER DOCUMENTATION IS APPROVED TO WHEN  
25 WE'LL POSSIBLY END UP IN CONSTRUCTION.

1                   MAC DUBE: I NOTICED THAT PART OF THE STUDY  
2 SAYS THAT THE PIPELINE WILL BE WALKED PHYSICALLY AND  
3 INSPECTED EVERY FIVE YEARS.

4                   HOW BIG A PIPELINE ARE YOU TALKING ABOUT --

5                   MR. REED: 66 --

6                   MAC DUBE: -- WHEN YOU TALK WALKING THE  
7 PIPELINE, THAT'S PRETTY-GOOD SIZED.

8                   MR. REED: -- 66- TO 80-INCH DIAMETER.

9                   MAC DUBE: IS IT?

10                  MR. REED: YES, SIR. IT'S A  
11 PRETTY-GOOD-SIZED ONE.

12                  OKAY. SEISMIC. YOU'RE RIGHT. IT SAYS IN THERE  
13 THERE'S NO MITIGATION. WHAT WE'RE LOOKING AT DOING IS  
14 PUTTING THAT INTO THE DESIGN OF THE PROJECT ITSELF.

15                  IN OTHER WORDS, WE'RE DESIGNING THE PROJECT FOR  
16 THE MAXIMUM CREDIBLE EARTHQUAKE. IF YOU ASK ME WHAT THAT  
17 IS, I CAN'T ANSWER THAT, GET THE SEISMIC -- IT'S A LOT  
18 HIGHER THAN YOU FELT, BUT THE MAXIMUM CREDIBLE EARTHQUAKE  
19 THAT'S EVER BEEN SEEN, THAT'S WHAT WE'RE BUILDING INTO THE  
20 DESIGN OF THIS PROGRAM.

21                  IT WILL ENSURE WE DON'T HAVE PROBLEMS WITH THE  
22 FACILITIES. DURING THE LAST EARTHQUAKE WE'VE HAD SOME --  
23 LITTLE BIT OF PROBLEMS, BUT MOSTLY DUE TO JUST POWER ON ALL  
24 THE COLORADO RIVER AQUEDUCT, NOT TO THE METROPOLITAN  
25 FACILITIES.



1                   OUR FACILITIES WERE JUST FINE. WE HAD TO WAIT FOR  
 2 THE POWER TO COME BACK UP TO TURN THE PUMPS BACK ON. SO WE  
 3 DESIGNED FOR A LOT MORE THAN YOU SEE. THE REASON WHY IS TO  
 4 ENSURE THAT YOU HAVE WATER SUPPLIES WHEN THERE IS AN  
 5 EARTHQUAKE. YOU CAN'T AFFORD NOT TO HAVE WATER SUPPLIES  
 6 WHEN THERE IS THAT MAXIMUM EARTHQUAKE.

7                   NINETY DAYS. ENVIRONMENTAL DOCUMENTS. WE ARE  
 8 CHECKING INTO THE ENVIRONMENTAL DOCUMENTS. WE SENT OUT 750  
 9 DOCUMENTS ON THIS PROJECT RIGHT AT THE END OF NOVEMBER,  
 10 EITHER NOTIFICATIONS, EXECUTIVE SUMMARIES, ENVIRONMENTAL  
 11 DOCUMENTS, FULL SETS.

12                   WE SENT TWO SETS TO EACH OF THE LIBRARIES THAT'S  
 13 ON THE LIST, TWO FULL SETS TO EACH LIBRARY ON THE LIST. WE  
 14 WILL BE PROVIDING TO YOUR CITY TWO SETS TOMORROW. WE'RE  
 15 GOING TO GO BACK, PICK THOSE UP, BRING THEM THROUGH ON THE  
 16 WAY TO NEEDLES FOR ANOTHER MEETING.

17                   MAC DUBE: CAN I MAKE A RECOMMENDATION? IN  
 18 CALLING THE LIBRARY, YOU DON'T KNOW IF THEY FILED THAT UNDER  
 19 THE GROUNDWATER STORAGE, STORAGE, GROUNDWATER DRY-YEAR  
 20 SUPPLY PROGRAM OR WHATEVER, SO WHOEVER CALLED OVER THERE  
 21 PROBABLY --

22                   MR. REED: WE'RE GOING TO GO BY AND SEE THE  
 23 LIBRARIES.

24                   MAC DUBE: WE HAVE AN E-MAIL SYSTEM. LET US  
 25 KNOW AND WE'LL TRY TO GET THE WORD OUT TO THE NEWSPAPER SO

M2-25

M2-26

M2-26

1 THAT THE PEOPLE WILL KNOW ABOUT IT.

2 MR. REED: WE'RE ALSO GOING TO GO BY AND SEE  
3 EACH OF THE LIBRARIES.

4 MAC DUBE: I DON'T KNOW HOW THEY'VE INDEXED  
5 IT.

6 MR. REED: YEAH. WE'LL MAKE SURE THEY'RE A  
7 LOT EASIER TO FIND.

8 MS. SALENIUS: A LOT OF TIMES WHEN IT IS AN  
9 ENVIRONMENTAL IMPACT REPORT THEY WILL HAVE A SPECIAL PLACE  
10 IN LIBRARIES JUST FOR THOSE KIND OF REPORTS. THEY KNOW THE  
11 PEOPLE WANT TO LOOK AT THEM.

12 IF YOU SAY WHERE ARE YOUR CURRENT ENVIRONMENTAL  
13 IMPACT REPORTS, THEN THEY CAN POINT YOU TO THAT AREA OF THE  
14 LIBRARY.

15 MOLLY BRADY: WE CAN ALSO SHARE THE WEBSITE  
16 ADDRESS.

17 MR. REED: ANOTHER THING THAT WE HAVE DONE,  
18 NOT BY JUST MAILING THEM OUT -- THEY ARE EXPENSIVE -- WE  
19 HAVE ALSO PUT THEM AT THE LIBRARIES. WE'RE ALSO PUTTING IT  
20 ON THE INTERNET. IT'S ON THE B.L.M.'S INTERNET SITE. IF  
21 YOU WANT TO GO BY AND LOOK AT THE DOCUMENT ITSELF, THE  
22 E.I.R., IT IS ON THE B.L.M.'S INTERNET SITE.

23 MAC DUBE: BOTH OF THEM?

24 MS. SALENIUS: THE BIG DOCUMENT, THE 600-PAGE  
25 DOCUMENT THAT IS THE DRAFT ENVIRONMENTAL IMPACT REPORT,

1 ENVIRONMENTAL IMPACT STATEMENT.

2 MR. REED: IS THIS -- IS ON THIS LOCATION.  
3 THE REASON WE DON'T HAVE THE ENTIRE -- THIS DOCUMENT JUST BY  
4 ITSELF, THE E.I.R. -- GOT A COPY OF IT. SYL, HOLD IT UP.

5 MS. SALENIUS: (COMPLYING.)

6 MR. REED: THIS DOCUMENT RIGHT HERE IS A  
7 HUNDRED MEGABYTES. WE DIDN'T PUT ALL THE TECHNICAL REPORTS  
8 ON THE INTERNET. WE PUT THOSE AT THE LIBRARIES. THIS IS  
9 THE E.I.R. ITSELF. IT'S A HUNDRED MEGABYTES ON THE INTERNET  
10 WEBSITE. IF YOU WANT TO PULL IT UP ON THE INTERNET, YOU CAN  
11 PULL IT UP.

12 BUT, AGAIN, WE'RE GOING BY THE LIBRARIES TOMORROW,  
13 FRIDAY, TO MAKE SURE THEY'RE IN THE RIGHT LOCATIONS. WE  
14 SENT TWO SETS TO EACH LIBRARY CERTIFIED MAIL. SOMETIMES IT  
15 UPSETS PEOPLE, BUT THAT WAY WE MAKE SURE IT GOT TO WHERE IT  
16 NEEDED TO BE. WE GOT THE SIGNATURE BACK. WE KNOW IT GOT  
17 THERE.

18 AGAIN, WE WERE GETTING INTO SOME DISCUSSION ABOUT  
19 THE GROUNDWATER MANAGEMENT PLAN, AND I THREW THIS BOARD BACK  
20 UP HERE. I DON'T HAVE ALL THE ANSWERS ON THIS. WE ARE  
21 DEVELOPING IT. WE'RE WORKING WITH THE COUNTY ON DEVELOPING  
22 THE GROUNDWATER MANAGEMENT PLAN FOR THE PROJECT TO ENSURE  
23 THERE IS NO IMPACTS. WE'RE STILL IN THAT PROCESS.

24 WE'RE GOING TO HAVE THAT DONE. IT'S GOING TO BE  
25 LAID OUT EXACTLY WHAT WE'RE MONITORING, WHAT THE FREQUENCY

1 IS OF THE MONITORING, HOW THE MONITORING IS GOING TO BE  
2 DONE, AND WHAT THE ACTION LEVEL IS.

3 IN OTHER WORDS, WHEN ARE WE GOING TO START DOING  
4 DIFFERENT THINGS AND WHAT THOSE DIFFERENT THINGS ARE TO  
5 ENSURE THERE IS NO IMPACT ON THE GROUNDWATER BASIN.

6 MS. SALENIUS: THOSE ARE THE LIMITS YOU WERE  
7 ASKING ABOUT.

8 MR. REED: YOU WERE ASKING WHAT ARE THE  
9 LIMITS. HOW ARE WE GOING TO KNOW THAT WE'RE NOT DRAINING  
10 THAT BASIN.

11 THERE IS GOING TO BE LIMITS ON THE GROUNDWATER  
12 BASIN TO MAKE SURE WE DON'T DRAIN THIS, WITHOUT HAVING  
13 SIGNIFICANT EFFECTS ON THE BASIN ITSELF. RIGHT NOW WE ARE  
14 WORKING WITH SAN BERNARDINO COUNTY TO SET THAT UP.

15 [ M2-27 ] RAMON MENDOZA: ARE YOU GOING TO STICK BY  
16 THE FIGURE OF 30,000-ACRE FEET A YEAR?

17 MR. REED: WE HAVE THAT NOW. THAT ONE IN  
18 ITSELF IS THAT THICK, THE WATER RESOURCES REPORT. THAT ONE  
19 -- WHEN WE START GETTING INTO THE ANALYSIS, THE WATER  
20 RESOURCES REPORT, THE E.I.R.

21 AS WE MOVE THROUGH THE PROJECT, THAT NUMBER IS  
22 GOING TO BE UPDATED BECAUSE WE'VE GOT A FULL WEATHER STATION  
23 GOING IN OUT THERE TO MONITOR WHAT THE PRECIPITATION IS,  
24 HUMIDITY, WHAT THE EVAPORATION IS, SO WE HAVE A BETTER  
25 HANDLE WHAT'S GOING ON IN THE GROUNDWATER BASIN AND I GUESS

1 THE ANSWERS WE WILL BE JUST THAT, 30,000.

2 MAC DUBE: NOW, YOU'VE HAD THREE MEETINGS.  
3 THIS IS THE LAST OF THREE.

4 DO YOU HAVE A COMPENDIUM OF THE QUESTIONS POSED  
5 DURING THOSE THREE MEETINGS THAT WOULD BE OF INTEREST TO US?  
6 I REALIZE THERE MAY BE DUPLICITY IN SOME OF THE QUESTIONS,  
7 BUT ARE THERE AREAS OF CONCERN IN THERE IN SOME OF THE OTHER  
8 MEETINGS THAT WOULD BE OF INTEREST TO US WITHOUT  
9 REGURGITATING -- YOU KNOW, SOME OF THE STUFF WE'VE ASKED?

10 MR. REED: BASICALLY, WE HAVE HAD TWO.  
11 THERE'S ONE TOMORROW NIGHT, A PUBLIC HEARING --

12 MAC DUBE: OH, YOU HAVE ONE TOMORROW?

13 MR. REED: -- OUT IN NEEDLES. THERE'S A LOT  
14 OF SIMILARITIES IN THE MEETINGS, A LOT OF THE SAME QUESTIONS  
15 ON THE GROUNDWATER BASIN. THAT'S THE REASON WHY I GO INTO A  
16 LITTLE MORE DETAIL ABOUT THAT, AND NOT AS MUCH WITH  
17 CULTURAL, PALEO, AND BIOLOGICAL, AND THAT'S ONE OF THE  
18 MAIN FOCUSES. OTHER THAN THAT, THERE'S A LOT OF DIFFERENCE.

19 THE MEETING WE HAD EARLIER TODAY THERE WAS SOME  
20 CONCERNS ABOUT THE SALINE, THE BRISTOL DRY LAKE, WHAT'S THE  
21 EFFECT DOWN THERE. THAT'S BECAUSE THE PEOPLE WE HAD THE  
22 MEETING WITH THIS MORNING ARE THE PEOPLE THAT DO THE SALT  
23 MINING OPERATIONS. THEY WANT TO KNOW WHAT THE EFFECT IS.

24 YOU HAVE A DIFFERENT AREA THAT YOU'RE CONCERNED  
25 ABOUT SO THERE'S A LOT OF DIFFERENCE BETWEEN THE AREAS.

1 NEEDLES HAS ANOTHER AREA THAT THEY'RE CONCERNED ABOUT.

2 BASICALLY, THERE IS ONE OVERLAP, THOUGH, AND THAT  
3 IS, HOW DO WE PROTECT THE GROUNDWATER BASIN AS WE MOVE  
4 THROUGH THE PROGRAM?

5 MS. SALENIUS: I'D LIKE TO ADD A LITTLE TO  
6 THAT. IN THE ENVIRONMENTAL DOCUMENT WE SHOWED YOU, THE ONE  
7 THAT'S ABOUT THAT THICK, THERE IS A SECTION IN THE BACK OF  
8 THAT THAT SUMMARIZES ALL THE ISSUES RAISED IN THOSE EARLY  
9 MEETINGS. THERE'S A SEPARATE PUBLIC PARTICIPATION REPORT --  
10 THAT ONE -- THAT HAS ALL OF THE QUESTIONS AND, YOU KNOW, IN  
11 MUCH MORE DETAIL THAT WERE RAISED.

12 MAC DUBE: OKAY.

13 MR. REED: ALL THE QUESTIONS WE RECEIVED, ALL  
14 THE LETTERS WE RECEIVED ABOUT THE PROJECT AND THIS ONE BEING  
15 AVAILABLE AT THE LIBRARY -- WE'LL HAVE A COUPLE SETS OUT  
16 HERE IN THE CITY TOMORROW -- THIS IS CALLED A PUBLIC  
17 PARTICIPATION REPORT BY THE FINAL ENVIRONMENTAL DOCUMENT.

18 WHEN THAT'S DONE, THIS REPORT IS GOING TO BE  
19 REVISED. ALL THE COMMENTS THAT WE RECEIVE TONIGHT, ALL THE  
20 LETTERS THAT WE RECEIVE DURING THIS COMMENT REVIEW PERIOD  
21 ARE GOING TO BE IN HERE AND THE RESPONSES TO EACH COMMENT  
22 WILL BE IN THIS DOCUMENT SO THEN IT'S GOING TO CHANGE IT'S  
23 NAME FROM PUBLIC PARTICIPATION TO PUBLIC PARTICIPATION AND  
24 RESPONSE TO COMMENTS. THE COLONEL SAYS IT'S GOING TO BE  
25 THAT THICK, BUT IT WILL BE THINNER THAN THAT.

1                   MAC DUBE: GROW A LITTLE BIT?

2                   MR. REED: IT'S GOING TO GET A LITTLE BIT  
3 BIGGER. THAT'S NORMALLY HOW WE DO IT. THIS WILL BE MADE  
4 AVAILABLE SO YOU CAN SEE WHAT YOUR COMMENTS ARE AND WHAT THE  
5 RESPONSES ARE IN WRITING.

6                   OKAY. BASICALLY WHAT 13 WAS HAS TO DO WITH WHEN  
7 WET YEARS ARE AVAILABLE IN THE COLORADO RIVER, WHEN WE'RE  
8 MOVING WATER IN, PUTTING IT INTO STORAGE. IT'S GOING TO BE  
9 RAINING. WHAT'S GOING TO HAPPEN TO THE LOCAL GROUND WATER  
10 BASIN ITSELF. TO GIVE YOU AN IDEA ABOUT THIS GROUNDWATER  
11 BASIN -- I DON'T HAVE THE BOARD HERE -- ROUGHLY, THIS BASIN  
12 HERE HAS ABOUT -- OKAY, HAS ABOUT 22-MILLION ACRE FEET OF  
13 WATER IN STORAGE. WHAT WE'RE LOOKING AT MOVING IN TO STORE  
14 IS ABOUT A MILLION ACRE FEET.

15                  OKAY. THAT'S A SMALL AMOUNT COMPARED TO WHAT'S  
16 THERE. THAT'S WHAT WE'RE LOOKING TO STORE IN THIS  
17 GROUNDWATER BASIN. THERE'S SUFFICIENT STORAGE IN THIS BASIN  
18 FOR QUITE A BIT MORE STORAGE. I DON'T HAVE THE NUMBER HERE.  
19 WE'LL GET THAT BACK TO YOU. THERE'S A LOT OF ROOM  
20 UNSATURATED FOR ADDITIONAL WATER.

21                  THE SHORT ANSWER TO THE STORY IS IT CAN RAIN  
22 A LOT HERE. WE CAN PUT A LOT OF WATER IN AND STILL HAVE  
23 MORE ROOM FOR STORAGE OF MORE WATER. IT'S A VERY LARGE  
24 GROUNDWATER BASIN, ROUGHLY 20 TO 22 MILLION ACRE IN STORAGE,  
25 AND IF WE PUT A MILLION ACRE IN OF COLORADO RIVER WATER,

1 WE'LL STILL HAVE LOTS OF SPACE.

2 I'LL GET YOU A NUMBER ON HOW MUCH AVAILABLE SPACE  
3 THERE IS AND HAVE THAT IN THE RESPONSE.

4 OKAY. DON'T DRAIN THE AQUIFER. ALL I CAN SAY  
5 THEN IS WE ARE DOING THAT GROUNDWATER MANAGEMENT WORKING  
6 WITH THE COUNTY, PUTTING THAT TOGETHER. IT WILL BE -- WILL  
7 BE A LIVING DOCUMENT. IT WILL BE ADJUSTED AS WE MOVE INTO  
8 THE FUTURE, AND THAT'S HOW WE'RE GOING TO ENSURE KEEPING THE  
9 PROJECT DOWN TO NO SIGNIFICANT EFFECTS ON THE GROUND WATER  
10 BASIN OVER THE PROGRAM LIFE.

11 IT'S TWOFOLD ON THE WATER-QUALITY ISSUE. THE  
12 GENTLEMAN BROUGHT IT UP. ONE OF THEM'S IN THE MANAGEMENT  
13 PLAN, WHAT'S CONSIDERED SIGNIFICANT, WHAT KIND OF IMPACTS,  
14 PUTTING COLORADO RIVER WATER IN.

15 WHAT'S GOING TO HAPPEN TO THAT WATER WHEN WE  
16 EXTRACT IT OUT? WHAT HAPPENS IF WE DON'T EXTRACT IT ALL  
17 OUT, LEAVE SOME IN? HOW IS IT MOVING TO THE DRY LAKE BEDS.  
18 TO THE HIGH SALINITY AREAS, WHAT'S THE EFFECT OF THAT.  
19 THAT'S GOING TO BE PART OF THE GROUNDWATER MANAGEMENT PLAN.  
20 YOU MENTIONED THE WATER QUALITY BOARD. IT'S THE WATER  
21 QUALITY BOARD FOR THIS AREA. WE WILL BE GOING TO THEM FOR  
22 CERTIFICATION ON PUTTING WATER IN.

23 17.

24 MS. SALENIUS: 16.

25 MR. REED: T.D.S. COLORADO RIVER WATER IS



1 HIGHER. I USE THAT WORD AND I SAY IT LOOSELY. YOU HAVE TO  
2 THINK ABOUT WHAT WE'RE DOING. COLORADO RIVER WATER. THE  
3 WATER QUALITY UP IN THIS AREA OF THE GROUNDWATER BASIN IS  
4 ABOUT 300 MILLION GRAMS PER LITER T.D.S.

5 OKAY. YOU GET DOWN TO -- DRY LAKE BED'S A LOT  
6 HIGHER THAN 300 HUNDRED MILLIGRAMS PER LITER OF T.D.S.  
7 MATTER OF FACT, THAT'S WHERE THEY'RE SALT MINING. 1000  
8 MILLIGRAMS. ONE OF THESE OUTLINED ON THE BOARD IS A  
9 THOUSAND MILLIGRAMS PER LITER. SO THE WATER IN THE  
10 GROUNDWATER BASIN IS 300 UP IN HERE, 1000 BY THE DRY LAKE  
11 BED, A LOT HIGHER IN MILLIGRAMS PER LITER WHEN YOU GET DOWN  
12 TO THE DRY LAKE BED ITSELF.

13 YOU CAN SEE THIS BLUE LINE IS A THOUSAND  
14 MILLIGRAMS PER LITER T.D.S. OF THE WATER. COLORADO RIVER  
15 WATER RIGHT NOW IS ABOUT 500 -- 550 MILLIGRAMS PER LITER.  
16 IT IS HIGHER THAN THIS. IT'S A LOT LOWER THAN THIS. AND SO  
17 IT IS GOING TO HAVE SOME EFFECT. WE'RE GOING TO TRY TO  
18 EXTRACT WHAT WE CAN BACK OUT. THAT'S WHY WE'VE POSITIONED  
19 OUR WELLS WHERE WE HAVE FOR THE PROGRAM, BUT SOME OF IT IS  
20 GOING TO MOVE DOWN TO THE DRY LAKE BEDS.

21 M2-29 [ MAC DUBE: WHERE DOES THE COLORADO RIVER GET  
22 ALL ITS SALINITY?

23 MR. REED: BASICALLY, THE LONG AND SHORT  
24 ANSWER IS BUILT-UP EVAPORATION. LAKE HAVASU, FOR INSTANCE,  
25 22 PERCENT OF THAT WATER, OF THAT ENTIRE RESERVOIR,

1 EVAPORATES EVERY YEAR. 22 PERCENT.

2 ANYTIME YOU HAVE THAT KIND OF EVAPORATION OF  
3 SURFACE RESERVOIRS, WHAT YOU END UP WITH IS AN INCREASE IN  
4 SALINITY.

5 ANOTHER ISSUE HAD TO DO WITH THE UPPER BASIN OF  
6 THE STATE. AGRICULTURAL, THOSE TYPE OF OPERATIONS, INCREASE  
7 OF THE SALINITY COMING INTO THE SURFACE GROUNDWATER, SO IT'S  
8 INCREASING, BUT AGAIN, IT'S ABOUT 500, 550 MILLIGRAMS PER  
9 LITER ON THE COLORADO RIVER AQUEDUCT. THE GROUNDWATER UP  
10 HERE IS 300 -- WELL, ABOVE THAT AT THE DRY LAKE BEDS  
11 THEMSELVES.

12 M2-30 MAC DUBE: WHAT ARE THE PARAMETERS FOR SAFE  
13 DRINKING WATER?

14 MR. REED: IT'S A SECONDARY STANDARD AND I'M  
15 GOING TO MESS UP THE ANSWER, BUT I'M GOING TO SAY IT'S ABOUT  
16 1500. QUITE HIGH.

17 DAVID FICK: 1100?

18 MR. REED: 1100. SEE, I KNEW I WAS GOING TO  
19 GET THE ANSWER WRONG.

20 IT'S A SECONDARY STANDARD, THE TASTE AND ODOR  
21 ISSUE.

22 THAT'S THE PROBLEM ABOUT STANDING UP HERE. YOU  
23 GET THE ANSWERS WRONG.

24 OKAY. WHERE ARE THE PUBLIC COMMENT DOCUMENTS?  
25 AGAIN, THIS IS ONE OF THEM. IT'S SUPPOSED TO BE IN

1 LIBRARIES. WE'RE GOING TO GO BY EACH OF THE LIBRARIES AND  
2 HELP THEM WITH THAT. WE DO HAVE THE SIGNED CERTIFICATION  
3 SLIPS BACK, SO WE KNOW THEY ARE THERE. IT'S JUST A MATTER  
4 OF DIGGING THEM OUT. SO THAT WILL BE HERE.

5 WHAT HAPPENS TO SEDIMENT THAT ARE BULLDOZED FROM  
6 THE PERC PONDS? BASICALLY WHAT WE'RE TRYING TO DO WITH  
7 THESE PERC PONDS IT'S A CUT-AND-FILL OPERATION. WE'VE GOT  
8 SOME FILL GOING ON, SOME CUT, TRYING TO FIGURE THAT OUT. SO  
9 WE DON'T HAVE EXCESS MATERIAL.

10 OKAY. SO WE TAKE SOME OF THE AREA, MOVE IT UP,  
11 FORM BERMS, AND THAT WAY IT EVENS OUT OVER THE PROJECT. WE  
12 DON'T LIKE MOVING A LOT OF MATERIAL OFFSITE FOR THE PERC  
13 BASINS, AND THAT'S HOW WE'RE TRYING TO SIZE THEM THAT WAY.

14 DURING THE MAINTENANCE OF THE PROJECT, WE'RE  
15 LOOKING AT SCRAPING THE BOTTOM, PUSHING UP ON THE SLOPES.  
16 THAT WAY WE DON'T HAVE TO TAKE A LOT OF MATERIAL OUT OF  
17 HERE. THERE COULD BE A VERY MINOR AMOUNT OF MATERIAL TAKEN  
18 OUT, BUT MOSTLY JUST TAKE IT AND SCRAPE IT UP, PUT IT ON THE  
19 SLOPES OF BASINS THEMSELVES?

20 MAC DUBE: THE DRIFT TO MY QUESTION WAS THAT  
21 SEDIMENT. I DON'T KNOW. I PICTURE THAT SEDIMENT AS BEING  
22 POWDERY AND HAVING A BLOW EFFECT ALL OVER THE VALLEY DOWN  
23 THERE, YOU KNOW, WITH THE WIND CONDITIONS THAT WE HAVE. I  
24 DON'T KNOW. ANY PROBLEMS WITH THAT DOWN THERE IN THE  
25 VALLEY?

M 2-31

1 MARK LIGGETT: IN THE EXCAVATION OF THE  
2 PONDS?

3 MAC DUBE: YEAH, CLEANING OUT OF THE PONDS  
4 PERIODICALLY.

5 MARK LIGGETT: YOU KNOW, IF THAT'S A HIGH  
6 ORGANIC CONTENT, LIKE ALGAE, WE'LL CLEAN OUT, WE'LL PROBABLY  
7 ACTUALLY USE THAT FOR FERTILIZING OUR CROPS.

8 MAC DUBE: IS IT SAND OR IS IT --

9 MARK LIGGETT: PROBABLY BE SORT OF A FLAKY,  
10 ALGAE MATERIAL.

11 MR. REED: I KNOW I DIDN'T ANSWER ALL YOUR  
12 QUESTIONS IN DETAIL. I'M NOT THE PERSON TO GO THROUGH ALL  
13 THE DETAILS ABOUT THE PROJECT. I CAN ANSWER MOST OF THEM,  
14 BUT, AGAIN, WE WILL GET BACK WITH THESE QUESTIONS HERE THAT  
15 HAVE BEEN RECORDED, ALSO BEEN WRITTEN DOWN. THERE WILL BE  
16 FORMAL WRITTEN RESPONSES PUT TOGETHER ON THESE QUESTIONS  
17 YOU'VE HAD TONIGHT.

18 D.J. MASKER: THOSE WRITTEN QUESTIONS AND  
19 RESPONSES HAVE NO EFFECT ON THE CURRENT E.I.R./E.I.S.?

20 MR. REED: YES, THEY DO.

21 D.J. MASKER: IN WHAT WAY?

22 MR. REED: THOSE WRITTEN QUESTIONS, YOUR  
23 QUESTIONS AND THE QUESTIONS HERE TONIGHT, THE WRITTEN  
24 QUESTIONS THAT COME IN, RESPONSES WILL BE PUT TOGETHER.  
25 THOSE ARE ALL GOING TO BE PART OF THE FINAL DOCUMENTATION

1 TAKEN TO OUR BOARD FOR CERTIFICATION, FOR LOOKING AT.  
2 B.L.M.'S GOING TO TAKE THOSE INTO ACCOUNT PRIOR TO THEIR  
3 ACTION, PART OF THEIR DOCUMENTATION.

4 MS. SALENIUS: EXCUSE ME. MAY WE HAVE YOUR  
5 NAME FOR THE STENOGRAPHER, PLEASE?

6 D.J. MASKER: D.J. MASKER.

7 MAC DUBE: COUNCIL MEMBER D.J. MASKER.

8 MR. REED: OKAY. I WANT TO THANK YOU ALL  
9 FOR COMING TODAY -- THIS EVENING, AND HOPEFULLY WE GOT MOST  
10 OF YOUR QUESTIONS TAKEN CARE OF.

11 MAC DUBE: MAY I SAY A COUPLE WORDS BEFORE  
12 YOU QUIT?

13 MR. REED: CERTAINLY.

14 MAC DUBE: I WANT TO THANK YOU FOR THE  
15 ASSEMBLAGE HERE, BEING A REPRESENTATIVE OF THE CITY -- WE  
16 HAVE THE CITY MANAGER OUT HERE AS WELL -- FOR COMING UP AND  
17 MAKING A VERY PROFESSIONAL PRESENTATION.

18 MR. REED: THANK YOU, SIR.

19 MAC DUBE: AND IF YOU FEEL YOU'RE UNDER THE  
20 GUN, MAYBE YOU WERE, BUT PEOPLE NEED ANSWERS AND I  
21 APPRECIATE YOUR CANDOR AND YOUR PROFESSIONALISM.

22 THANK YOU VERY MUCH.

23 MS. SALENIUS: THANK YOU.

24 BY THE WAY, JUST A REMINDER. ANY WRITTEN COMMENTS  
25 THAT YOU WANT TO SUBMIT, THE DUE DATE IS FEBRUARY 23RD,

1 2000, AND IF YOU NEED THE ADDRESSES TO SEND THE COMMENTS TO,  
2 TAKE ONE OF THE COMMENT CARDS, OR IF YOU'D JUST LIKE TO SEND  
3 IN A COMMENT CARD, THERE'S THE ONES WITH THE STAMPS IN THE  
4 BACK OF THE ROOM.

5 THANK YOU VERY MUCH.

6 (THE MEETING CONCLUDED AT 8:52 P.M.)  
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CERTIFICATE OF REPORTER

STATE OF ARIZONA)

)

COUNTY OF MOHAVE)

I, KAREN KOVACS, C.C.R., R.P.R. DO HEREBY

CERTIFY THAT I TOOK DOWN IN SHORTHAND (STENOTYPE) ALL OF  
THE PROCEEDINGS HAD IN THE ABOVE-ENTITLED MATTER AT THE  
TIME AND PLACE INDICATED, AND THAT THEREAFTER SAID  
SHORTHAND NOTES WERE TRANSCRIBED INTO TYPEWRITING AT AND  
UNDER MY DIRECTION AND SUPERVISION, AND THE FOREGOING  
TRANSCRIPT CONSTITUTES A FULL, TRUE AND ACCURATE RECORD OF  
THE PROCEEDINGS HAD.

IN WITNESS WHEREOF, I HAVE HEREUNTO AFFIXED MY  
HAND THE 3RD DAY OF JANUARY, 2000.

*Karen Kovacs*

\_\_\_\_\_  
KAREN KOVACS, C.C.R., R.P.R.

**COPY**