

**Supplemental Documents for Item 9**

**Bighorn-Desert View Water Agency**

**Special BOD Meeting**

**October 16, 2012**

## **RESOLUTION NO. 12R-XX**

### **A RESOLUTION OF THE BOARD OF DIRECTORS OF THE BIGHORN-DESERT VIEW WATER AGENCY ADOPTING THE WATER INFRASTRUCTURE RESTORATION PROGRAM: AMES/RECHE GROUNDWATER STORAGE AND RECOVERY PROGRAM; AND PIPELINE INSTALLATION/REPLACEMENT PROJECT MITIGATED NEGATIVE DECLARATION – ADDENDUM NO. 2 AMES/RECHE GROUNDWATER STORAGE AND RECOVERY PROGRAM**

**WHEREAS**, the Bighorn-Desert View Water Agency (BDVWA) is a local water agency serving the unincorporated communities of Flamingo Heights, (western) Landers and Johnson Valley; and

**WHEREAS**, on April 24, 2007, the BDVWA Board of Directors adopted the Bighorn-Desert View Water Master Plan which analyzes the existing water system, projects future needs and outlines improvements to address water system deficiencies; and

**WHEREAS**, the BDVWA plans to upgrade its current system through implementation of the Bighorn-Desert View Water Agency Water Infrastructure Restoration Program: Ames/Reche Groundwater Storage and Recovery Program and Pipeline Installation/Replacement Program (the "Project") which includes many of the projects described in the BDVWA Water Master Plan; and

**WHEREAS**, on June 29, 2010 the BDVWA Board of Directors adopted the Bighorn-Desert View Water Agency Water Infrastructure Restoration Program: Ames/Reche Groundwater Storage and Recovery Program and Pipeline Installation/Replacement Program Mitigated Negative Declaration (MND); and

**WHEREAS**, the MND for the Ames/Reche Groundwater Storage and Recovery Program adopted on June 29, 2010 analyzed the potential environmental impacts of a 15-acre spreading grounds, connecting pipelines and up to three (3) monitoring wells, two of which may remain permanently; and

**WHEREAS**, since the MND was adopted, the spreading grounds project design has been further refined reducing the size of the spreading grounds to six (6) acres and reducing the number of monitoring wells to two (2); and

**WHEREAS**, CEQA Guidelines Section 15164 (b) allows a Lead Agency to prepare an Addendum to a Negative Declaration or Mitigated Negative Declaration if only minor technical changes or additions are necessary or if none of the conditions described in Section 15162 (a) and (b) have occurred; and

**WHEREAS**, the BDVWA adopted the Water Infrastructure Restoration Program: Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation/Replacement Project Mitigated Negative Declaration – Addendum No. 1 Ames/Reche Groundwater Storage And Recovery Program (Addendum No. 1) on November 30, 2011 to reflect the changes in the spreading grounds project design; and

**WHEREAS**, the BDVWA prepared the Water Infrastructure Restoration Program: Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation/Replacement Project Mitigated Negative Declaration – Addendum No. 2 Ames/Reche Groundwater Storage And Recovery Program (Addendum) to reflect the modifications to the conditions of approval; and

**WHEREAS**, on October 16, 2012 at a duly noticed BDVWA Board of Directors meeting, the BDVWA considered the MND and the Addendum; and

**WHEREAS**, all other legal prerequisites to the adoption of this Resolution have occurred.

**NOW THEREFORE**, the Board of Directors does hereby resolve as follows:

**SECTION 1. Compliance with the California Environmental Quality Act.** As the decision-making body for the Project, the Board of Directors has reviewed and considered the information contained in the MND, Addendum No. 1, Addendum No. 2 and the administrative record on file with the Agency and available for review at the BDVWA office, 622 S. Jemez Trail, Yucca Valley, California 92284. The Board of Directors finds that the environmental documents including the MND, Addendum No. 1 and Addendum No. 2 have been completed in compliance with CEQA and the State CEQA Guidelines.

**SECTION 2. Findings of No New Impacts.** Pursuant to CEQA Guidelines Section 15162 (a) (3) (A) through (B) New Significant Effect, the Board of Directors finds that there is no evidence that the revised project would have one or more significant new effects not analyzed in the previously prepared MND and the first Addendum. The Board of Directors also finds that there will be no substantial increase in the severity of impacts identified in the previously prepared MND and the first Addendum.

**SECTION 3. Findings of No Changes in Mitigation Measures.** Pursuant to CEQA Guidelines Section 15162 (a) (3) (C) through (D), the Board of Directors finds there is no evidence that mitigation measures found to be infeasible in the previously prepared MND and the first Addendum would be feasible. Since all mitigation measures were reduced to below a level of significance, it is assumed that no new mitigation measures would substantially reduce significant effects on the environment.

**SECTION 4. Findings on Environmental Documents.** In the District's role as the Lead Agency under CEQA, the Board of Directors finds that the MND and Addenda No. 1 and 2 contain a complete and accurate reporting of the environmental impacts associated with the Project, and adopted the Addendum at a regular Board Meeting held on October 16, 2012.

**SECTION 5. Filing of the Notice of Determination.** The Board of Directors hereby directs staff to file the Notice of Determination.

**SECTION 6. Custodian of Records.** The documents and materials that constitute the record of proceedings on which these findings are based are located at the Agency office, 622 S. Jemez Trail, Yucca Valley, California 92284. Ms. Marina West, General Manager, is the custodian of the record of proceedings.

**SECTION 7. Execution of Resolution.** The President of the Bighorn-Desert View Water Agency Board of Directors shall sign this Resolution and the Secretary of the Bighorn-Desert View Water Agency and its Board of Directors shall attest and certify to the passage and adoption thereof.

**PASSED, APPROVED AND ADOPTED** by the Board of Directors of Bighorn-Desert View Water Agency this 16th day of October 2012, by the following roll call vote:

AYES:

NAYS:

ABSTAIN:

ABSENT:

By \_\_\_\_\_  
Michael McBride, President of the Board

ATTEST:

\_\_\_\_\_  
David Larson, Secretary of the Board

**Mitigation Monitoring Program**  
**Bighorn-Desert View Water Agency**  
**Water Infrastructure Restoration Program:**  
**Ames/Reche Groundwater Storage and**  
**Recovery Program and Pipeline Installation/Replacement Project**

**ADDENDUM NO. 2 – OCTOBER 16, 2012**

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
<b>Air Quality</b> AQ#1	The contractor shall minimize pollutant emissions by maintaining equipment engines in good condition and in proper tune according to manufacturer's specifications and during smog season (May through October) by not allowing construction equipment to be left idling for more than five minutes (per California law).	Throughout the grading, paving and construction	Bighorn Desert View Water Agency Staff		
<b>Air Quality</b> AQ#2	The contractor shall ensure use of low-sulfur diesel fuel in construction equipment as required by the California Air Resources Board (CARB) (diesel fuel with sulfur content of 15ppm by weight or less).	Throughout the grading, paving and construction	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
<b>Air Quality</b> AQ#3	The contractor shall ensure that all unpaved roads and disturbed areas within the project are watered at least three times daily during dry weather.	Throughout the grading, paving and construction	Bighorn Desert View Water Agency Staff		
<b>Air Quality</b> AQ#4	The contractor shall ensure that traffic speeds on unpaved roads and project site areas are reduced to 15 miles per hour or less.	Throughout the grading, paving and construction	Bighorn Desert View Water Agency Staff		
<b>Air Quality</b> AQ#5	The contractor shall schedule the work so that the pipeline and spreading grounds construction are not concurrent.	Throughout the grading, paving and construction	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#1	Install the pipeline in Zone E-2 and E-3 along the Acoma Trail alignment rather than the Cherokee Trail alternative and construct the spreading grounds in the location generally defined in Exhibit 3 as 38 acres of unoccupied habitat (gray area).	Prior to issuance of building permits	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#2	Prior to permit issuance, if a tortoise is found on-site at the time of construction, all activities likely to affect that animal(s) should cease and the appropriate regulatory agencies contacted to determine appropriate steps.	Throughout the grading, paving and construction	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#3	Following permit issuance, all protective measures given in pertinent regulatory documents should be implemented to minimize or avoid impacts.	Throughout the grading, paving and	Bighorn Desert View Water Agency		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
		construction	Staff		
Biological Resources BIO#4	<p>If impacts to the Western burrowing owl as defined by the CDFG cannot be avoided, the following measures shall be implemented:</p> <p>a) Avoiding occupied burrows during the breeding season, between February 1<sup>st</sup> and August 31<sup>st</sup>;</p> <p>b) Purchasing and permanently protecting 6.5 acres of foraging habitat per pair or unpaired resident bird impacted;</p> <p>c) Creating new burrows or enhancing others when destruction of occupied burrows is unavoidable;</p> <p>d) Implementing passive relocation if owls must be moved; and</p> <p>e) Provide funding for long-term management and monitoring of protected lands.</p>	Throughout the grading, paving and construction	Bighorn Desert View Water Agency Staff		
Biological Resources BIO#5	Minimize the amount of disturbed LeConte's thrasher habitat and schedule development between late August and late January to avoid breeding and nesting birds.	Prior to issuance of building permits	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
Biological Resources BIO#6	BDVWA shall employ authorized biologists and desert tortoise monitors, approved by USFWS and BLM, to ensure compliance with protective measures for the desert tortoise. Use of authorized biologists and desert tortoise monitors shall be in accordance with the most up-to-date USFWS guidance and shall be required for monitoring of any construction, operation, or maintenance activities that may result in adverse effects to the desert tortoise. The current guidance from 2008 is entitled "Desert Tortoise - Authorized Biologist and Monitor Responsibilities and Qualifications."	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
Biological Resources BIO#7	BDVWA shall provide the credentials of all individuals seeking approval as authorized biologists and/or desert tortoise monitors to BLM. BLM shall review these and provide the credentials of appropriate individuals to USFWS for approval at least 30 days prior to the time they must be in the field.	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
Biological Resources BIO#8	BDVWA shall designate a field contact representative (FCR) who shall oversee compliance with protective measures during construction, operation, and maintenance that may result in adverse effects to desert tortoises. If the FCR identifies a violation of the desert tortoise protective measures, they shall	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		



Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
	halt work until the violation is corrected. At the time of this writing, Ms. Marina West, BDVWA General Manager is identified as the FCR.				
<b>Biological Resources</b> BIO#9	Individuals approved to handle desert tortoises (i.e., authorized biologists and desert tortoise monitors) shall do so in compliance with the most up-to-date guidance from USFWS. USFWS is currently using the 2009 "Desert Tortoise Field Manual."	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#10	BDVWA has no plans to install fencing around the 6-acre± spreading grounds. Rather, within 48 hours of discharge, the affected area shall be inspected for tortoises and tortoise burrows. If no tortoises or burrows are found, discharge would occur in the absence of a monitor. If either a tortoise or tortoise burrow is found, the authorized biologist or monitor would remain on-site for a sufficient amount of time during discharge to ensure that the animal and/or burrow are not harmed or lost, respectively. The authorized biologist may determine that the tortoise needs to be relocated outside the inundation area, in which case, the biologist would observe the tortoise until it is determined that the animal is behaving normally. It may be necessary to create an artificial burrow for the tortoise or position it at the opening of an existing burrow.	During operations.	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
Biological Resources BIO#11	Authorized biologists shall remove desert tortoises from work areas for the pipeline immediately prior to the onset of construction or maintenance activities. In the event tortoises are encountered during pipeline installation, they shall be moved in the direction in which they were traveling and be monitored until the authorized biologist is comfortable they are resuming normal activity.	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
Biological Resources BIO#12	BDVWA shall employ an appropriate number of authorized biologists and desert tortoise monitors to monitor construction, operation, and maintenance that occur in any unfenced work areas. Authorized biologists or desert tortoise monitors shall flag all desert tortoise burrows for avoidance in areas adjacent to work areas.	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
Biological Resources BIO#13	BDVWA shall confine all construction activities, project vehicles, and equipment within the delineated boundaries of construction areas that authorized biologists or desert tortoise monitors have identified and cleared of desert tortoises. BDVWA shall confine all work areas to the smallest practical area, considering topography, placement of facilities, location of burrows, public health and	During grading and construction	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
	safety, and other limiting factors. BDVWA shall use previously disturbed areas to the extent feasible.				
<b>Biological Resources</b> BIO#14	BDVWA shall confine all construction activities, project vehicles, and equipment within the delineated boundaries of construction areas that authorized biologists or desert tortoise monitors have identified and cleared of desert tortoises. BDVWA shall confine all work areas to the smallest practical area, considering topography, placement of facilities, location of burrows, public health and safety, and other limiting factors. BDVWA shall use previously disturbed areas to the extent feasible.	During grading and construction	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#15	BDVWA shall prohibit project personnel from driving off road or performing ground-disturbing activities outside of designated areas during construction, operation, or maintenance, except to deal with emergencies.	During grading and construction	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#16	During operation and maintenance activities, BDVWA shall confine all vehicle parking, material stockpiles, and construction related materials to areas that have been inspected by the authorized biologists to ensure desert tortoises are absent.	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b>	With the exception of security personnel, BDVWA shall prohibit firearms on the project site.	During grading,	Bighorn Desert View		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
BIO#17		construction, maintenance and operation	Water Agency Staff		
<b>Biological Resources</b> BIO#18	Construction personnel working outside of fenced areas shall check under vehicles or equipment before moving them. If a desert tortoise is present under the vehicle, the personnel shall contact an authorized biologist or desert tortoise monitor. The desert tortoise shall be allowed to move a safe distance away prior to moving the vehicle. Alternatively, an authorized biologist or desert tortoise monitor may move the desert tortoise to a safe location to allow for movement of the vehicle.	During grading and construction	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#19	An authorized biologist or desert tortoise monitor shall inspect all excavations on a regular basis (several times per day) and immediately prior to filling of the excavation. If project personnel discover a desert tortoise in an open trench, an authorized biologist or desert tortoise monitor shall move it to a safe location. BDVWA shall cover or temporarily fence excavations that are outside of the permanently fenced project areas at the end of each day to prevent entrapment of desert tortoises during non-work hours.	During grading and construction	Bighorn Desert View Water Agency Staff		
<b>Biological</b>	When outside of fenced project areas, project	During grading	Bighorn		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
<b>Resources</b> BIO#20	personnel shall not move construction pipes greater than 3 inches in diameter if they are stored less than 8 inches above the ground until they have inspected the pipes to determine the presence of desert tortoises. As an alternative, BDVWA may cap all such structures before storing them outside the fenced area.	and construction	Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#21	BDVWA shall contain all organic and inorganic trash associated with the project in secure, self-closing receptacles to prevent the introduction of subsidized food resources for common ravens.	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#22	If evidence of predation by common ravens on desert tortoises is detected during construction or operation of the recharge facility, BDVWA shall contact the Common Raven Management Working Group as soon as possible to determine the feasibility of removing these birds. Staff from Wildlife Services, which is an agency of the U.S. Department of Agriculture, would then visit the site, with BDVWA permission, to remove offending birds.	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
<b>Biological Resources</b> BIO#23	BDVWA shall have an authorized biologist survey the basin within 8 hours of releasing water to remove any desert tortoises that are present.	During operation	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
Biological Resources BIO#24	BDVWA shall contact the BLM immediately if it becomes aware that a desert tortoise has been killed or injured by project activities.	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
Biological Resources BIO#25	Within 30 days of completion the pipeline and basin construction, the BDVWA shall provide a report to the BLM that provides details on the effects of the action on the desert tortoise. The report shall include the names of any monitors who assisted the authorized biologist and an evaluation of the experience they gained on the project. The report shall also include a completed project qualifications form on the USFWS website ( <a href="http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf">http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf</a> ), along with any appropriate narrative would provide an appropriate level of information.	Once construction is completed.	Bighorn Desert View Water Agency Staff		
Biological Resources BIO#26	Each year the BDVWA shall provide an annual report to the BLM documenting the effects of the spreading grounds operations on the desert tortoise. The report shall include the names of any monitors who assisted the authorized biologist and an evaluation of the experience they gained on the project. The report shall also include a completed project qualifications form on the USFWS website	Annually, after construction is completed.	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
	( <a href="http://www.fws.gov/ventura/sppinfo/protocols/deserttoise_monitorqualifications-statement.pdf">http://www.fws.gov/ventura/sppinfo/protocols/deserttoise_monitorqualifications-statement.pdf</a> ), along with any appropriate narrative would provide an appropriate level of information.				
Biological Resources BIO#27	BDVWA shall implement any and all mitigation measures identified and required by the CDFG.	During grading, construction, maintenance and operation	Bighorn Desert View Water Agency Staff		
Cultural Resources CR#1	A field survey of the pipeline alignment area shall be conducted prior to grading by a certified archaeologist to determine the need for cultural monitoring during all grading and excavation activities.	During grading process	Bighorn Desert View Water Agency Staff		
Cultural Resources CR#2	If the field survey determines that cultural resources are present, monitoring of the Pipeline Installation/Replacement project area by a certified archaeologist shall be required during grading and excavation. Should any materials be encountered the monitor will assess the find, determine its significance, and make recommendations for appropriate mitigation measures within the guidelines of the California Environmental Quality Act.	Upon recovery and collection of cultural resources	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
Cultural Resources CR#3	If prehistoric or historic artifacts over 50 years in age are encountered during land modification, then activities in the immediate area of the finds should be halted and the professional archaeological monitor will assess the find, determine its significance, and make recommendations for appropriate mitigation measures within the guidelines of the California Environmental Quality Act and/or the Federal National Environmental Policy Act. If human remains are encountered on the property, then the San Bernardino County Coroner's Office must be contacted within 24 hours of the find, and all work should be halted until a clearance is given by that office and any other involved agencies.	Prior to issuance of grading permits	Bighorn Desert View Water Agency Staff		
Cultural Resources CR#4	A field survey of the Pipeline Installation/Replacement project area shall be conducted prior to grading by a qualified vertebrate paleontologist to determine the need for paleontologic monitoring during all grading and excavation activities	During grading process	Bighorn Desert View Water Agency Staff		



Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
Cultural Resources CR#5	Monitoring of the Pipeline Installation/Replacement project area shall occur during grading and excavation if it has been determined through the field survey that fossils are present. Grading shall be monitored by trained paleontologic crews working under the direction of a qualified professional so that fossils exposed during grading can be recovered and preserved. Paleontologic monitors shall be equipped to salvage fossils as they are unearthed, to avoid construction delays, and to remove sample of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. Monitors shall be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens. Monitoring is not necessary if the potentially-fossiliferous units described for the property in question are not present, or if present are determined upon exposure and examination by qualified personnel to have low potential to contain fossil resources.	During grading process	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
Cultural Resources CR#6	Qualified paleontologic personnel shall prepare recovered specimens to a point of identification and permanent preservation, including washing of sediments to recover small invertebrates and vertebrates. Preparation and stabilization of all recovered fossils is essential in order to fully mitigate adverse impacts to the resources.	Upon collection and recovery of paleontologic resources	Bighorn Desert View Water Agency Staff		
Cultural Resources CR#7	Qualified paleontologic personnel shall identify and curate specimens into the collections of the Division of Geological Sciences, SBCM, an established, accredited museum repository with permanent retrievable paleontologic storage. The paleontologist must have a written repository agreement in hand prior to the initiation of mitigation activities. Mitigation of adverse impacts to significant paleontologic resources is not considered complete until curation into an established museum repository has been fully completed and documented.	For preliminary report, prior to issuance of building permits  For final report, prior to occupancy permits	Bighorn Desert View Water Agency Staff		
Cultural Resources CR#8	Qualified paleontologic personnel shall prepare a report of findings with an appended itemized of specimens. A preliminary report shall be submitted and approved before granting of building permits, and a final report shall be submitted and approved before granting of occupancy permits. The report	For preliminary report, prior to issuance of building permits	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
	and inventory, when submitted to the appropriate Lead Agency along with confirmation of the curation of recovered specimens into the collections of the SBCM, will signify completion of the program to mitigate impacts to paleontologic resources.	For final report, prior to occupancy permits			
Hydrology and Water Quality HWQ#1	Prior to construction of the spreading grounds, two or more monitoring wells should be installed. A well at the project site would be used to evaluate unsaturated zone conditions and monitor changes in groundwater quality and groundwater levels following the implementation of the project. A second monitoring well would be located down gradient from the recharge area near a local production well (HDWD No. 24) to provide baseline groundwater data and monitor recharge water as it moves down gradient. This well would also be available as an observation well for aquifer pumping tests in the production well to confirm local aquifer parameters.	Prior to issuance of grading permits for spreading grounds.	Bighorn Desert View Water Agency Staff		
Hydrology and Water Quality HWQ#2	A septic tank survey should be completed prior to construction of the spreading grounds to better define baseline conditions. The survey area should include all areas within a 1-mile radius from the project site. Results will be used to further assess the risk for nitrate loading in area where	Prior to issuance of grading permits for spreading grounds	Bighorn Desert View Water Agency Staff		

Impact Category	Mitigation Measures	Implementation Timing	Responsible Monitoring Party	Compliance Verification	
				Initial	Date
	groundwater table increases associated with recharge operations is expected.				
Hydrology and Water Quality HWQ#3	Once the spreading grounds are in operation, a monitoring program will be instituted pursuant Ames/Reche Groundwater Storage and Recovery Program and Management Agreement Monitoring Plan. Data collected from monitoring wells will be compiled in an annual report and distributed to USGS Clearinghouse and BLM.	Annually, after construction is completed.	Bighorn Desert View Water Agency Staff		
Transportation and Traffic TT#1	The Construction Contractor shall prepare a Traffic Management Plan to ensure that adequate emergency access and Level of Service consistent with the San Bernardino County Congestion Management Plan is maintained.	Prior to issuance of grading permits	Bighorn Desert View Water Agency Staff		



**Bighorn-Desert View Water Agency**

**Water Infrastructure Restoration Program:  
AMES/RECHE GROUNDWATER STORAGE  
and RECOVERY PROGRAM; and  
PIPELINE INSTALLATION/REPLACEMENT PROJECT MITIGATED  
NEGATIVE DECLARATION –Addendum No. 2  
AMES/RECHE GROUNDWATER STORAGE and RECOVERY PROGRAM**

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**October 2012**

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# TABLE OF CONTENTS

<b>TABLE OF CONTENTS</b>	<b>ii</b>
<b>1. FINDINGS AND CONCLUSIONS</b>	<b>1</b>
1.1 CEQA Guidelines Section 15162 (a) (1) Substantial Project Changes	1
1.2 CEQA Guidelines Section 15162 (a) (2) Substantial Changes in the Circumstances	2
1.2.1 CEQA Guidelines Section 15162 (a) (3) (A) through (B) New Significant Effect	2
1.2.2 CEQA Guidelines Section 15162 (a) (3) (C) through (D) Changes in Mitigation Measures or Alternatives	2
<b>2 INTRODUCTION</b>	<b>4</b>
2.1 Purpose and Scope	4
2.2 Previous Environmental Documentation	4
2.3 Limited Focus of Addendum	5
2.4 Documents Incorporated by Reference	5
2.5 Contact Person	7
<b>3 PROJECT DESCRIPTION</b>	<b>8</b>
3.1 Project Setting	8
3.2 Discretionary Actions, Permits and Consultation	11
3.3 Project Description	11
<b>4 ENVIRONMENTAL ANALYSIS</b>	<b>18</b>
4.1 Aesthetics	19
4.2 Agriculture and Forestry Resources	20
4.3 Air Quality	23
4.4 Biological Resources	25
4.5 Cultural Resources	31

4.6	Geology and Soils	32
4.7	Greenhouse Gas Emissions	34
4.8	Hazards and Hazardous Materials	35
4.9	Hydrology and Water Quality	38
4.10	Land Use and Planning	42
4.11	Mineral Resources	44
4.12	Noise	45
4.13	Population and Housing	47
4.14	Public Services	48
4.15	Recreation	50
4.16	Transportation and Traffic	51
4.17	Utilities and Service Systems	54
4.18	Mandatory Findings of Significance	57

#### **LIST OF EXHIBITS**

Exhibit 1 – Regional Location Map	8
Exhibit 2 – Reche Recharge Project and Pipeline Location	9
Exhibit 3 – Reche Recharge Project Location and Action Area Boundaries	10
Exhibit 4 – Concrete Outlet Structure: Section View	12
Exhibit 5 – Recharge Project Outlet Structure and Riprap Diffusion Structure	13
Exhibit 6– Project Site Photographs	14

# 1 FINDINGS AND CONCLUSIONS

CEQA Guidelines Section 15164 (b) allows a Lead Agency to prepare an Addendum to a Negative Declaration or Mitigated Negative Declaration if only minor technical changes or additions are necessary or if none of the conditions described in Section 15162 (a) and (b) have occurred. Although the addendum need not be circulated for public review, decision-makers must consider the addendum with the previously adopted environmental document prior to making a decision on the project. A brief summary explaining the Lead Agency decision to prepare an addendum is required.

This analysis compares the project description and conditions of approval outlined in the adopted environmental documents for this project, the Water Infrastructure Restoration Program: Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation/Replacement Project: AMES/RECHE GROUNDWATER STORAGE and RECOVERY PROGRAM Mitigated Negative Declaration (MND) and Addendum No. 1 to currently proposed conditions.

Based on the information presented in Sections 3 and 4 of this document, the Bighorn-Desert View Water Agency (BDVWA), as the Lead Agency, finds that the revised project conditions represent a minor change and will actually impact the environment to a lesser degree due to the additional conditions required to protect natural resources.

In addition, the BDVWA finds that none of the conditions described in CEQA Guidelines Sections 15162 (a) and (b) requiring preparation of a new MND have occurred. Sections 1.1 through 1.2.2 of this document provide supporting documentation for the decision to prepare a second addendum to the MND.

## 1.1 CEQA Guidelines Section 15162 (a) (1) Substantial Project Changes

Substantial changes in the project are those that would require major revision of the previous environmental document due to the involvement of new significant environmental effects, or if a substantial increase in the severity of previously identified significant effects has occurred. When substantial changes are made to the project, a new EIR or MND must be prepared.

The effects resulting from construction and operation of the 15-acre spreading ground site were analyzed in the prepared MND. The first addendum analyzes the impacts of the revised project area from a 15-acre site to a 6-acre site; it was found not to be a substantial change in the document. The current document, Addendum No. 2, analyzes proposed changes to the conditions of approval and is also not a substantial change in the project.



## **1.2 CEQA Guidelines Section 15162 (a) (2) Substantial Changes in the Circumstances**

When substantial changes in the circumstances under which a project is undertaken occur, a new EIR or MND must be prepared. Substantial changes are defined as changes that would require major revisions of the previous environmental document in order to describe and analyze new significant environmental effects, or any changes that would cause a substantial increase in the severity of the previously identified significant effects.

Although additional conditions have been placed on the project by federal and state agencies, there have been no changes in the circumstances surrounding development of the project that would create new environmental effects or cause a substantial increase in the severity of the previously identified impacts.

### **1.2.1 CEQA Guidelines Section 15162 (a) (3) (A) through (B) New Significant Effect**

A Lead Agency cannot prepare an Addendum if information of substantial importance, which was not known and could have not been known, with the exercise of reasonable diligence at the time the previous environmental document was certified or adopted, shows:

- A. The project will have one or more significant effects not discussed in the previous environmental document;
- B. The significant effects previously examined will be substantially more severe than identified in the previous environmental document.

In Section 4 of this Addendum each of the issues addressed in the 2010 MND as well the 2011 Addendum are analyzed. Based on this analysis and the information contained herein, there is no evidence that the revised project conditions would have one or more significant new effects not analyzed in the previously prepared MND or the first Addendum. The analysis also demonstrates that there will be no substantial increase in the severity of impacts identified in the previously prepared MND or the first Addendum.

### **1.2.2 CEQA Guidelines Section 15162 (a) (3) (C) through (D) Changes in Mitigation Measures or Alternatives**

A Lead Agency cannot prepare an Addendum if new information of substantial importance, which was not known and could have not been known, with the exercise of reasonable diligence at the time the previous environmental document was certified or adopted, shows:

- C. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponent declines to adopt the mitigation measures or alternatives; or
- D. Mitigation measures or alternatives that are considerably different from those analyzed in the previous environmental document would substantially reduce one or more significant

effects on the environment, but the project proponent declines to adopt the mitigation measures or alternatives.

In Section 4 of this Second Addendum each of the issues addressed in the 2010 MND as well as the 2011 Addendum are analyzed. Based on this analysis and the information contained herein, there is no evidence that mitigation measures found to be infeasible in the previously prepared MND or 2011 Addendum would be feasible. Since all mitigation measures were reduced to below a level of significance and the currently proposed mitigation measures will further reduce the impacts, no new mitigation measures would substantially reduce significant effects on the environment.

## 2 INTRODUCTION

### 2.1 PURPOSE AND SCOPE

This document, *Ames/Reche Groundwater Storage and Recovery Program Mitigated Negative Declaration – Addendum No. 2*, is the second addendum to the *Mitigated Negative Declaration for the Water Infrastructure Restoration Program: Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation/Replacement Project* (MND) dated May 2010. The previously adopted MND analyzed the potential environmental impacts resulting from the construction and operation of the proposed 15-acre Ames/Reche Groundwater Storage and Recovery Program (Recharge Project) and the Pipeline Installation/Replacement Project within the service area of the Bighorn-Desert View Water Agency (BDVWA). The first addendum analyzed the impacts related to reducing the project size from 15 acres to 6 acres. The previously adopted addendum also considered impacts on Forestry Resources and found no impact.

BDVWA is now proposing changes in the conditions of approval consistent with the conditions adopted by BLM.

These documents, the *Mitigated Negative Declaration for the Water Infrastructure Restoration Program: Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation/Replacement Project* (MND) as well as *Addenda No. 1* and *No. 2*, serve as the environmental documentation for the proposed project, as required pursuant to the provisions of the CEQA, Public Resources Code Section 21000, et seq., and the State and local CEQA Guidelines. A complete project description is included in Section 3.0.

### 2.2 PREVIOUS ENVIRONMENTAL DOCUMENTATION

The May 2010 MND addressed potential impacts associated with the construction and operation of the proposed recharge project and pipeline replacement program and identified no impacts or less than significant impacts to: aesthetics, agricultural resources, geology and soils, greenhouse gas emissions, hazards and hazardous materials, noise, population and housing, public services, recreation, transportation and traffic and utilities and service systems. Impacts to air quality, biological resources, cultural resources, geology and soils, hydrology and water quality, and land use and planning were able to be mitigated to a level of less than significant through recommended mitigation measures. Addendum No. 1 supported these findings.

Although currently required by the CEQA Statute and Guideline, the 2010 MND did not analyze impacts to forestry resources. Addendum No. 1 examined Forestry Impacts as well as impacts to

Traffic/Transportation to ensure that the impacts of the project, both the Recharge Project and the Pipeline Installation Program, to ensure that impacts do not exceed standards described in the 2010 checklist.

## **2.3 LIMITED FOCUS OF ADDENDUM**

In preparing an addendum, the Lead Agency's environmental review of the proposed project is limited to examining the environmental effects associated with the changes between the previously adopted MND and Addendum No. 1, and the potential impacts which may result from implementation of the proposed revision. Addendum No. 2 will only consider the impacts of the revised project conditions. The Pipeline Installation/Replacement Project or change in the project size will not be addressed in this second Addendum.

## **2.4 DOCUMENTS INCORPORATED BY REFERENCE**

Section 15150 of the State CEQA Guidelines permits an environmental document to incorporate by reference other documents that provide relevant data. The documents outlined in this section are hereby incorporated by reference, and the pertinent material is summarized throughout this Addendum, where that information is relevant to the analysis of impacts of the project. Any document incorporated by reference is available for review at the Bighorn-Desert View Water Agency located at:

622 S. Jemez Trail  
Yucca Valley, CA 92284

- Mitigated Negative Declaration for the Water Infrastructure Restoration Program: Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation/Replacement Project, May 2010. Prepared by Bighorn-Desert View Water Agency and assisted by Candida Neal, AICP, A Land Use and Environmental Planning and Consulting Firm. This document analyzes the potential environmental impacts resulting from the construction and operation of the Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation/Replacement Project located within the Bighorn-Desert View Water Agency's service boundaries in the southern portion of San Bernardino County near Yucca Valley and in the unincorporated communities of Landers and Flamingo Heights
- Biological Assessment for Desert Tortoise, Reche Recharge Project, June 2011. Prepared by US Bureau of Land Management, Barstow Field Office with assistance from Candida Neal, AICP, A Land Use and Environmental Planning and Consulting Firm. This biological assessment was prepared to provide the BLM and any other impacted federal agencies with

the information necessary to consider potential impacts on endangered or threatened species and to evaluate the effectiveness of proposed mitigation measures.

- Focused Survey for Desert Tortoise and Western Burrowing Owl and Formal Biological Assessment for the Bighorn-Desert View Water Agency's Water Infrastructure Restoration Program (WIRP) in the communities of Landers and Flamingo Heights, San Bernardino County, California, September 2009. (Appendix 1 of the 2010 MND).
- Focused Survey for Desert Tortoise and Western Burrowing Owl and Formal Biological Assessment for the Bighorn-Desert View Water Agency's Alternative Recharge Basin near the community of Flamingo Heights, San Bernardino County, November 2008 (Appendix 2 of the 2010 MND).
- Class III Cultural Resources Survey of 49.9 Acres in the Pipes; Wash and Homestead Valley Area near Flamingo Heights, San Bernardino County, California for the Bighorn-Desert View Water Agency, Yucca Valley, California; January 2010. (Appendix 3 of the 2010 MND)
- Historic Records Search prepared by the Archaeological Information Center at the San Bernardino County Museum, January 30, 2009. (Appendix 4 of the 2010 MND)
- Paleontology Literature and Records Review prepared by the Division of Geological Sciences at the San Bernardino County Museum, March 5, 2009.(Appendix 5 of the 2010 MND)
- Final Environmental Impact Report and Statement for the West Mojave Plan: A Habitat Conservation Plan and California Desert Conservation Area Plan Amendment
- Biological Opinion on the Reche Spreading Grounds, Landers, California (8-8-11-F-55) (2800(P) CA-680.31), March 9, 2012.
- Environmental Assessment Right-of-Way Application for Bighorn-Desert View Water Agency Recharge Project, EZ# DOI-BLM-CA-D080-2010-0031-EA.

## **2.5 CONTACT PERSON**

The Lead Agency for the Addendum for the proposed project is the Bighorn-Desert View Water Agency. Any questions about the preparation of this Addendum, its assumptions, or its conclusions should be referred to the following:

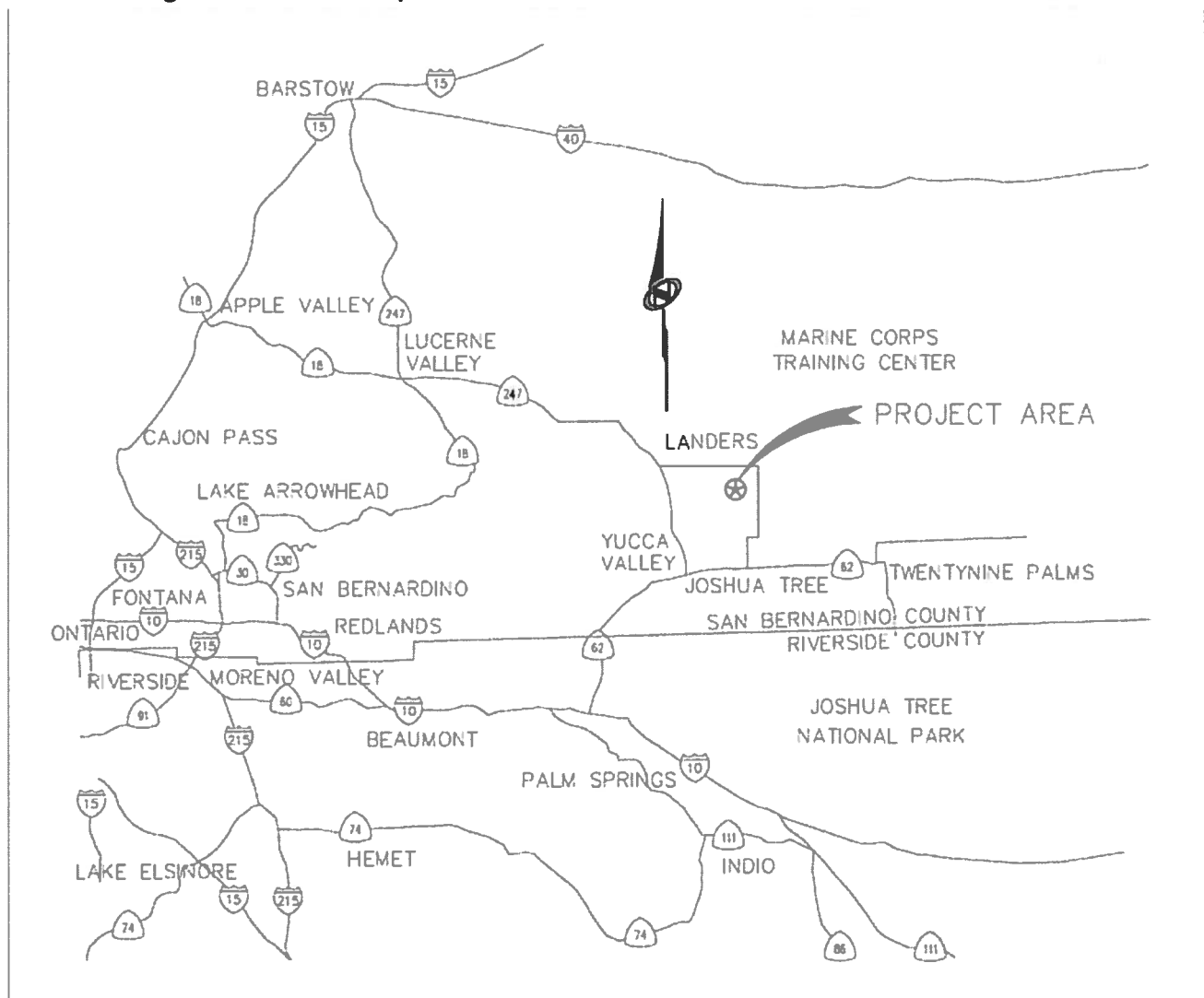
Marina D. West, General Manager  
Bighorn-Desert View Water Agency  
622 S. Jemez Trail  
Yucca Valley, CA 92284  
Phone: (760) 364-2315

# 3 PROJECT DESCRIPTION

## 3.1 PROJECT SETTING

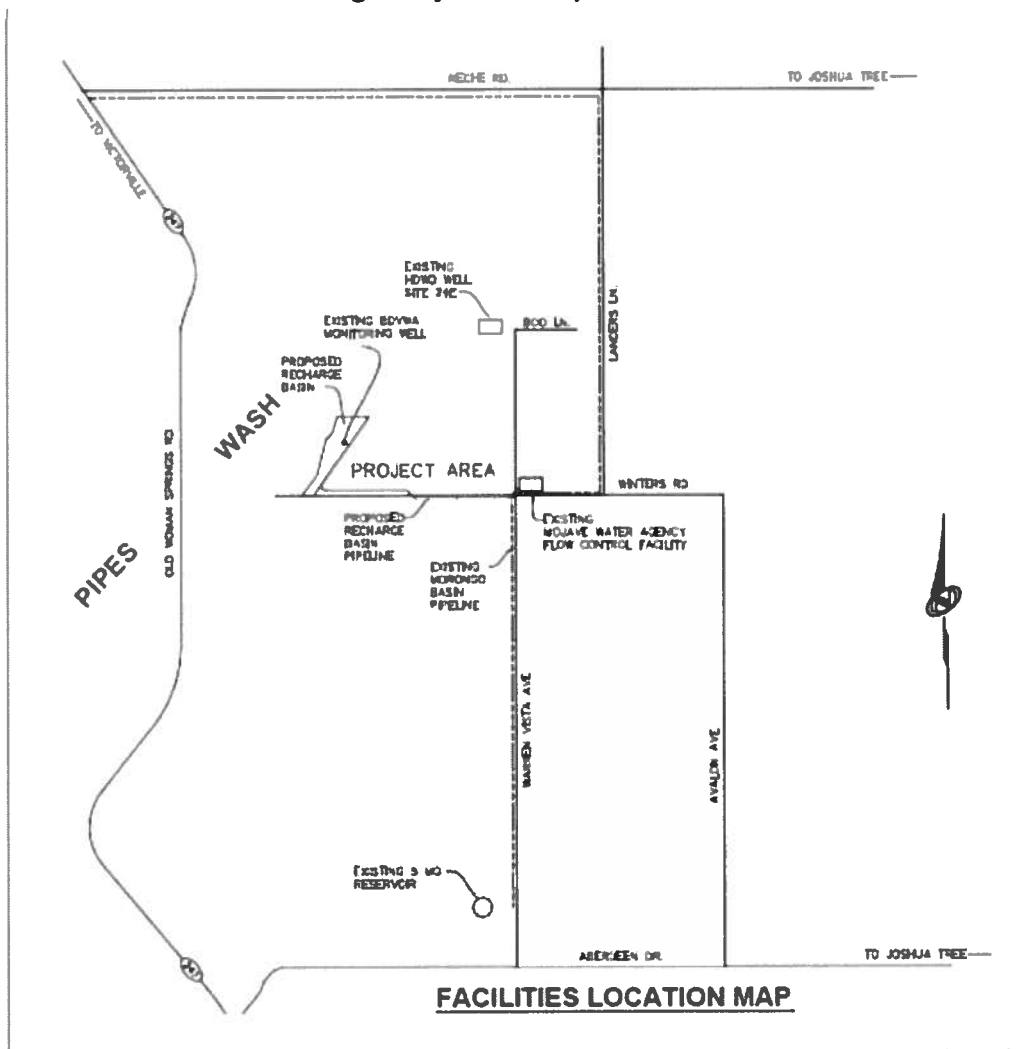
Located in the southern portion of San Bernardino County, the project is generally situated east of Hwy 247 – Old Woman Springs Road, north of Yucca Valley and southwest of the Twenty-nine Palms Marine Corps Base. (Exhibit 1 – Regional Location Map).

**Exhibit 1 – Regional Location Map**



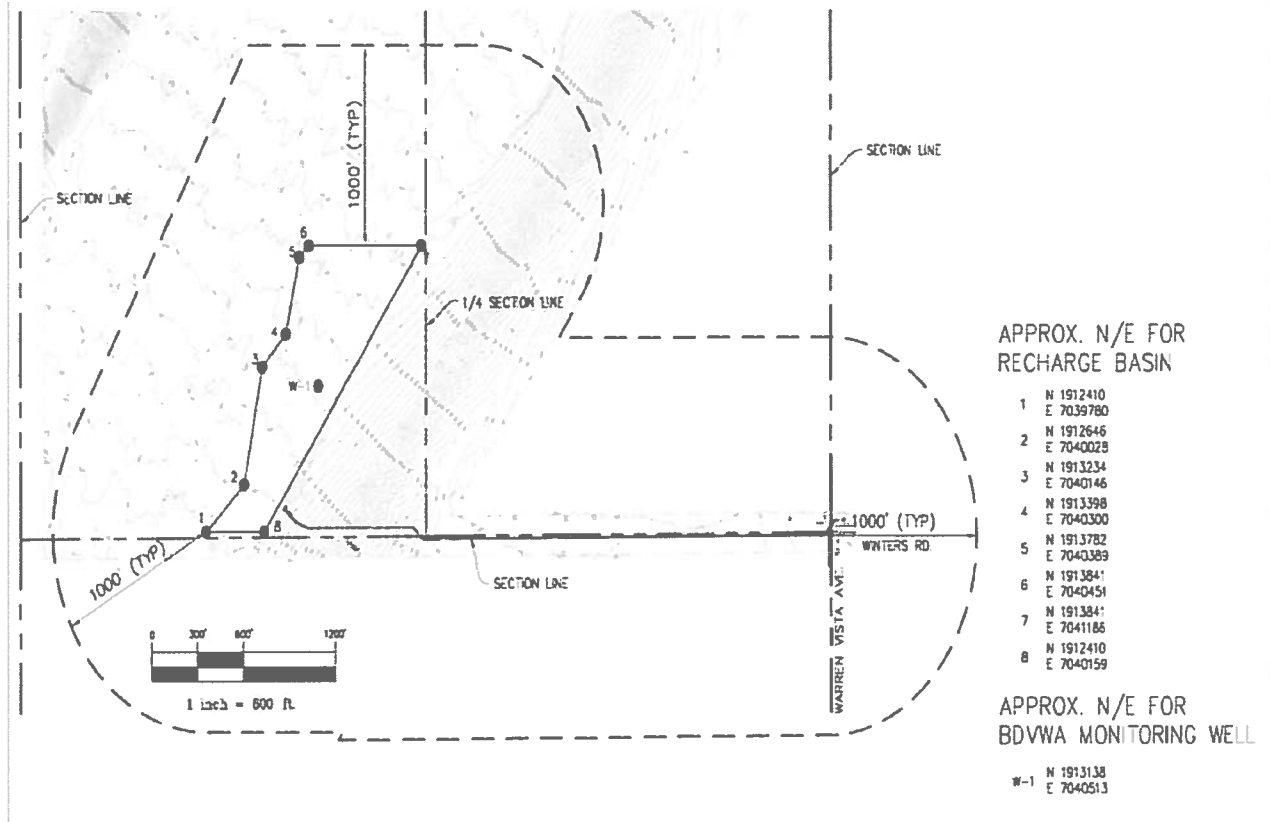
Source: Mojave Water Agency, May 2011

More specifically the recharge project is located in Pipes Wash near the Flamingo Heights community, north of Winters Road and east of Warren Vista Avenue. (Exhibit 2 –Reche Recharge Project Location).

**Exhibit 2 – Reche Recharge Project and Pipeline Location**

Source: Mojave Water Agency, June 2011



**Exhibit 3 – Reche Recharge Project Location and Action Area Boundaries**

### **3.2 DISCRETIONARY ACTIONS, PERMITS & CONSULTATION**

Grading and construction permits for project implementation will be required from County of San Bernardino as well as state and federal agencies.

### **3.3 PROJECT DESCRIPTION**

**Project Development.** Located within Pipes Wash and covering approximately 6 acres, the recharge project will be designed to take advantage of the natural topography. Minimal earthwork will be required to contain water flow. There will be no excavation to construct a “basin.” Berms approximately twelve feet wide (four feet from base-to-base with four feet of disturbance on either side. Their height will vary from 24 to 36 inches and will be constructed to contain an average depth of one foot of water. The berm area is expected to occupy approximately 1 acre of the 6-acre site. The 5 acres enclosed by the berms will be the discharge containment area or “wet area.” Existing large native plants, such as Joshua Trees, will not be removed. Although the site will not be bladed, construction vehicles will traverse the site as a result some plants may be crushed in the process. The proposed project is illustrated on Exhibit 3 – Reche Recharge Project Location and Action Area Boundaries.

A small concrete outlet and diffusion structure, measuring 8.5 feet in length, 5 feet wide and 2 feet tall, will be installed at the terminus of the pipeline. The outlet structure will be engineered to minimize impact to existing topographic slope using diffusion materials such as concrete and rip-rap. Exhibits 4 and 5 provide illustrations of the outlet and diffusion structure.

No building or other type of structure will be constructed within or adjacent to the recharge project. No lighting or fencing is contemplated.

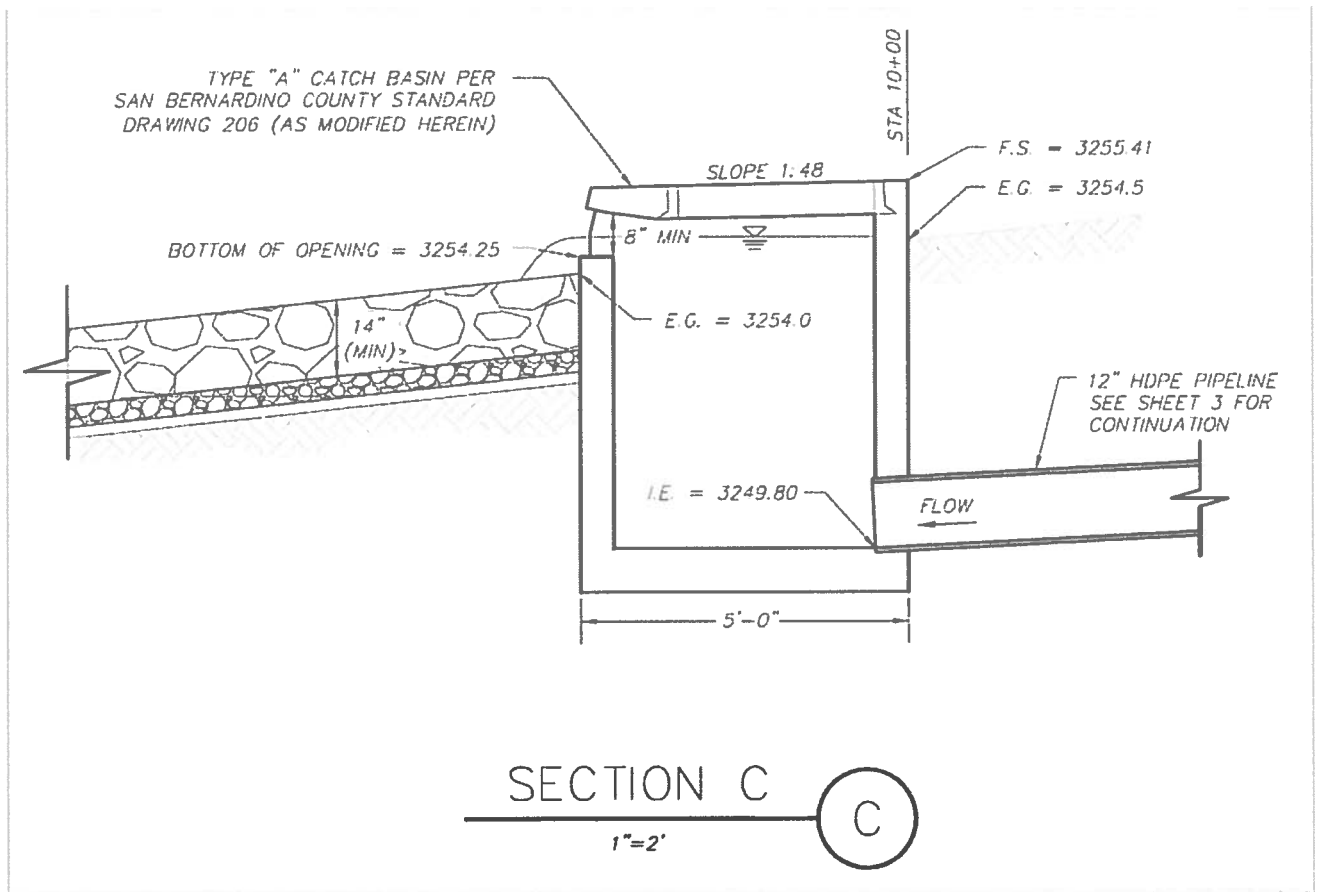
State Water Project (SWP) water delivered via the Morongo Basin Pipeline would be released in the project. Shallow earthen berms constructed around the perimeter of the recharge project will minimize surface runoff (and evaporation) and maximize infiltration through the floor of the discharge containment area, through the unsaturated zone, and into the underlying groundwater basin. Upon reaching the groundwater table, recharged water will travel in the general direction of groundwater flow (east-northeast) and can be recovered through down gradient production wells in the Reche Subbasin. Currently, BDVWA, Hi-Desert Water District (HDWD), and San Bernardino County Community Service Area (CSA) 70 IZ W1 operate production wells in the Reche Subbasin down gradient of the recharge project. It is estimated that the maximum annual volume of SWP water available for recharge in the Reche Subbasin is 1,500 afy (acre-feet per year). A discharge containment area of approximately 5 acres with soil percolation rates of 1.64 feet per day would be required to percolate 1,500 afy. Percolation rates would allow all the water to enter the groundwater basin within a six month period or longer depending on State Water Project delivery schedules as long as it did not exceed 1,500 afy during the year.

State Water Project deliveries will coincide with water availability and may occur throughout the year. Initial soils permeability tests indicated that the soils in the proposed recharge project area have a permeability value of 4.13 feet per day. The recharge project will be constructed to contain up to an average of one foot of water but with soils permeability of over 4.13 feet per day, little standing water is anticipated.

Facility maintenance will be done as needed. It is anticipated that periodically the berms will be harmed or destroyed by flooding or off-road vehicle use. Reconstruction will take approximately two days and will involve the following resources:

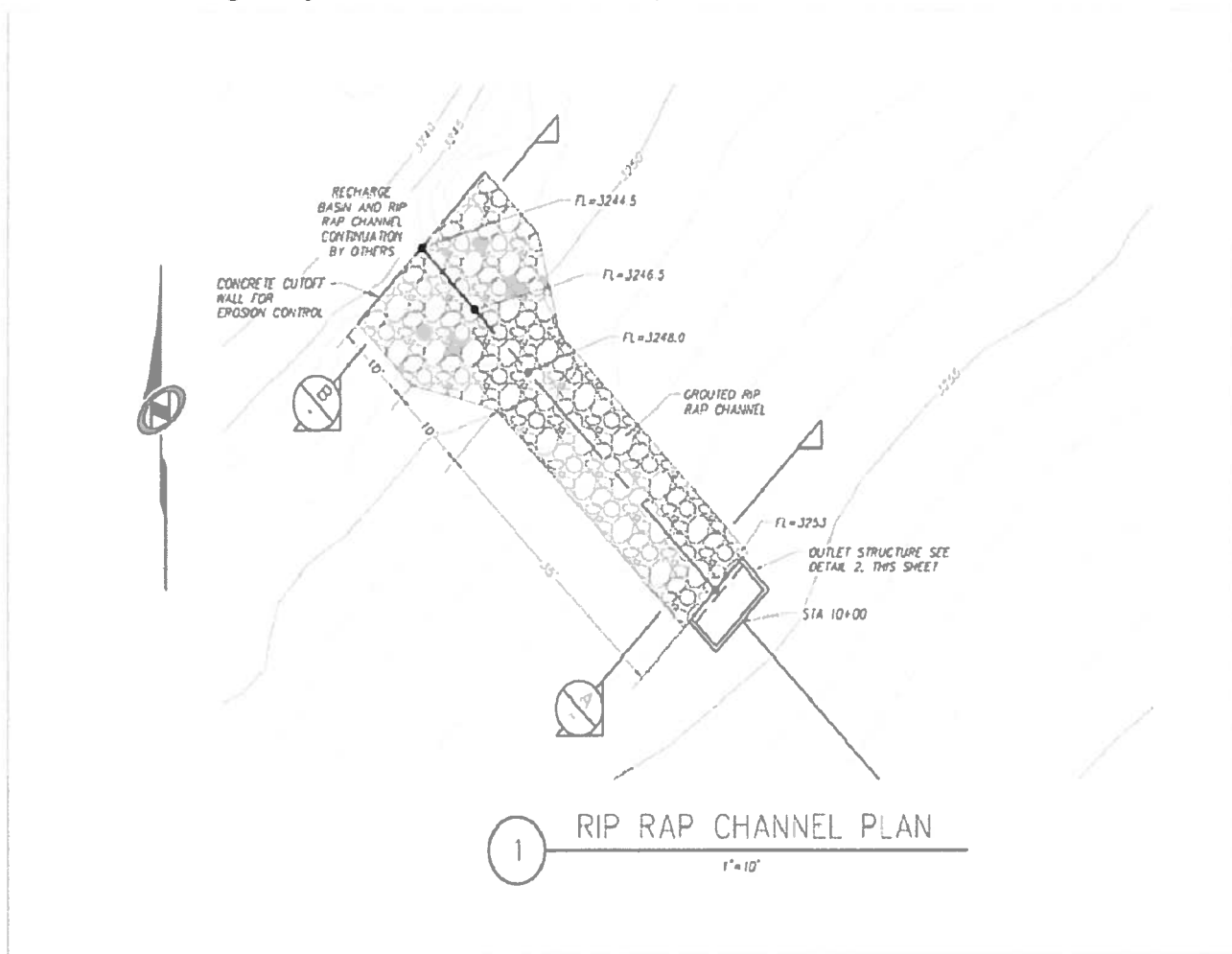
- Two personnel,
- Two pick-up trucks,
- A 933-loader, and/or
- D4 Dozer<sup>1</sup>

#### Exhibit 4 – Concrete Outlet Structure: Section View



Source: Mojave Water Agency, May 2011

<sup>1</sup> Biological Assessment for Desert Tortoise, Reche Recharge Project, pg. 12, June 2011

**Exhibit 5 – Recharge Project Outlet Structure and Riprap Diffusion Structure**

Source: Mojave Water Agency, May 2011

## Exhibit 6 – Project Site Photographs

### Photos of the Proposed Recharge Project



Pipe's Wash: Looking north across preferred Recharge Project location



Pipe's Wash: Looking west across preferred Recharge Project location.



Pipe's Wash: Southeast corner of preferred Recharge Project location.



Pipe's Wash: Looking northwest across preferred Recharge Project location.

**Project Conditions.** As a result of the Biological Opinion and Environmental Assessment adopted for this project, the conditions of approval have change. This Addendum analyzes the potential impacts of their implementation. The changes are listed in the following table.

**Additional or Revised Mitigation Measures for the Bighorn–Desert View  
Water Agency  
Spreading Grounds Project**

Issue Area MND/EA	EA Mitigation Not Included In MND
Air Quality/Air Resources	<b>AQ5</b> – The contractor shall schedule the work so that the pipeline and spreading grounds construction are not concurrent.
Biological Resources/Threatened or Endangered Species	<p><b>BIO 5</b> BDVWA shall employ authorized biologists and desert tortoise monitors, approved by USFWS and BLM, to ensure compliance with protective measures for the desert tortoise. Use of authorized biologists and desert tortoise monitors shall be in accordance with the most up-to-date USFWS guidance and shall be required for monitoring of any construction, operation, or maintenance activities that may result in adverse effects to the desert tortoise. The current guidance from 2008 is entitled "Desert Tortoise – Authorized Biologist and Monitor Responsibilities and Qualifications."</p> <p><b>BIO 6</b> BDVWA shall provide the credentials of all individuals seeking approval as authorized biologists and/or desert tortoise monitors to BLM. BLM shall review these and provide the credentials of appropriate individuals to USFWS for approval at least 30 days prior to the time they must be in the field.</p> <p><b>BIO 7</b> BDVWA shall designate a field contact representative (FCR) who shall oversee compliance with protective measures during construction, operation, and maintenance that may result in adverse effects to desert tortoises. If the FCR identifies a violation of the desert tortoise protective measures, they shall halt work until the violation is corrected. At the time of this writing, Ms. Marina West, BDVWA General Manager is identified as the FCR.</p> <p><b>BIO 8</b> Individuals approved to handle desert tortoises (i.e., authorized biologists and desert tortoise monitors) shall do so in compliance with the most up-to-date guidance from USFWS. USFWS is currently using the 2009 "Desert Tortoise Field Manual."</p> <p><b>BIO 9</b> BDVWA has no plans to install fencing around the 6-acre± spreading grounds. Rather, within 48 hours of discharge, the affected area shall be inspected for tortoises and tortoise burrows. If no tortoises or burrows are found, discharge would occur in the absence of a monitor. If either a tortoise or tortoise burrow is found, the authorized biologist or monitor would remain on-site for a sufficient amount of time during discharge to ensure that the animal and/or burrow are not harmed or lost, respectively. The authorized biologist may determine that the tortoise needs to be relocated outside the inundation area, in which case, the biologist would observe the tortoise until it is determined that the animal is behaving</p>

Issue Area MND/EA	EA Mitigation Not Included In MND
	<p>normally. It may be necessary to create an artificial burrow for the tortoise or position it at the opening of an existing burrow.</p> <p><b>BIO 10</b> Authorized biologists shall remove desert tortoises from work areas for the pipeline immediately prior to the onset of construction or maintenance activities. In the <del>unlikely</del> event tortoises are encountered during pipeline installation, they shall be moved in the direction in which they were traveling and be monitored until the authorized biologist is comfortable they are resuming normal activity.</p> <p><b>BIO 11</b> BDVWA shall employ an appropriate number of authorized biologists and desert tortoise monitors to monitor construction, operation, and maintenance that occur in any unfenced work areas. Authorized biologists or desert tortoise monitors shall flag all desert tortoise burrows for avoidance in areas adjacent to work areas.</p> <p><b>BIO 12</b> BDVWA shall confine all construction activities, project vehicles, and equipment within the delineated boundaries of construction areas that authorized biologists or desert tortoise monitors have identified and cleared of desert tortoises. BDVWA shall confine all work areas to the smallest practical area, considering topography, placement of facilities, location of burrows, public health and safety, and other limiting factors. BDVWA shall use previously disturbed areas to the extent feasible.</p> <p><b>BIO 13</b> BDVWA shall confine all construction activities, project vehicles, and equipment within the delineated boundaries of construction areas that authorized biologists or desert tortoise monitors have identified and cleared of desert tortoises. BDVWA shall confine all work areas to the smallest practical area, considering topography, placement of facilities, location of burrows, public health and safety, and other limiting factors. BDVWA shall use previously disturbed areas to the extent feasible.</p> <p><b>BIO 14</b> BDVWA shall prohibit project personnel from driving off road or performing ground-disturbing activities outside of designated areas during construction, operation, or maintenance, except to deal with emergencies.</p> <p><b>BIO 15</b> During operation and maintenance activities, BDVWA shall confine all vehicle parking, material stockpiles, and construction related materials to areas that have been inspected by the authorized biologists to ensure desert tortoises are absent.</p> <p><b>BIO 16</b> With the exception of security personnel, BDVWA shall prohibit firearms on the project site.</p> <p><b>BIO 17</b> Construction personnel working outside of fenced areas shall check under vehicles or equipment before moving them. If a desert tortoise is</p>

Issue Area MND/EA	EA Mitigation Not Included In MND
	<p>present under the vehicle, the personnel shall contact an authorized biologist or desert tortoise monitor. The desert tortoise shall be allowed to move a safe distance away prior to moving the vehicle. Alternatively, an authorized biologist or desert tortoise monitor may move the desert tortoise to a safe location to allow for movement of the vehicle.</p> <p><b>BIO 18</b> An authorized biologist or desert tortoise monitor shall inspect all excavations on a regular basis (several times per day) and immediately prior to filling of the excavation. If project personnel discover a desert tortoise in an open trench, an authorized biologist or desert tortoise monitor shall move it to a safe location. BDVWA shall cover or temporarily fence excavations that are outside of the permanently fenced project areas at the end of each day to prevent entrapment of desert tortoises during non-work hours.</p> <p><b>BIO 19</b> When outside of fenced project areas, project personnel shall not move construction pipes greater than 3 inches in diameter if they are stored less than 8 inches above the ground until they have inspected the pipes to determine the presence of desert tortoises. As an alternative, BDVWA may cap all such structures before storing them outside the fenced area.</p> <p><b>BIO 20</b> BDVWA shall contain all organic and inorganic trash associated with the project in secure, self-closing receptacles to prevent the introduction of subsidized food resources for common ravens.</p> <p><b>BIO 21</b> If evidence of predation by common ravens on desert tortoises is detected during construction or operation of the recharge facility, BDVWA shall contact the Common Raven Management Working Group as soon as possible to determine the feasibility of removing these birds. Staff from Wildlife Services, which is an agency of the U.S. Department of Agriculture, would then visit the site, with BDVWA permission, to remove offending birds.</p> <p><b>BIO 22</b> BDVWA shall have an authorized biologist survey the basin within 8 hours of releasing water to remove any desert tortoises that are present.</p> <p><b>BIO 23</b> BDVWA shall contact the BLM immediately if it becomes aware that a desert tortoise has been killed or injured by project activities.</p> <p><b>BIO 24</b> Within 30 days of completion the pipeline and basin construction, the BDVWA shall provide a report to the BLM that provides details on the effects of the action on the desert tortoise. The report shall include the names of any monitors who assisted the authorized biologist and an evaluation of the experience they gained on the project. The report shall also include a completed project qualifications form on the USFWS website</p>



Issue Area MND/EA	EA Mitigation Not Included In MND
	<p>(<a href="http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf">http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf</a>), along with any appropriate narrative would provide an appropriate level of information.</p> <p><b>BIO 25</b> Each year the BDVWA shall provide an annual report to the BLM documenting the effects of the spreading grounds operations on the desert tortoise. The report shall include the names of any monitors who assisted the authorized biologist and an evaluation of the experience they gained on the project. The report shall also include a completed project qualifications form on the USFWS website (<a href="http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf">http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf</a>), along with any appropriate narrative would provide an appropriate level of information.</p> <p><b>BIO 26</b> BDVWA shall implement any and all mitigation measures identified and required by the CDFG.</p>
<p><b>Hydrology and Water Quality/Water Quality: Drinking/Ground</b></p>	<p><b>HWQ 3</b> - Once the spreading grounds are in operation, a monitoring program will be instituted pursuant Ames/Reche Groundwater Storage and Recovery Program and Management Agreement Monitoring Plan. Data collected from monitoring wells will be compiled in an annual report and distributed to USGS Clearinghouse and BLM.</p>

## 4 ENVIRONMENTAL ANALYSIS

This Addendum relies on use of the Environmental Checklist Form<sup>2</sup> to substantiate the findings of the BDVWA supporting adoption of this Addendum. For each environmental issue, the checklist:

- Reviews whether there is new information or circumstances that would require preparation of additional environmental documentation in the form of a subsequent or supplemental EIR, or if an addendum is appropriate;
- Evaluates whether or not there are any new or more severe significant environmental effects associated with implementation of the proposed project and proposed amendments;
- Assesses whether the issue was adequately analyzed in the previously prepared environmental document; and
- Analyzes topics that were not part of the Environmental Checklist when the Adelanto Wastewater Treatment Plant Expansion MND was prepared.

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<sup>2</sup> Appendix G – Environmental Checklist Form, 2010 CEQA Guidelines.

## 4.1 AESTHETICS

Would the project:	Substantial Change in Project Requiring additional environmental review	Substantial Change to Circumstances Requiring additional environmental review	Information Showing Greater Significant Effects than identified in the Previous document	New Information Showing Ability to Reduce, but not Eliminate Significant Effects	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Have a substantial adverse effect on a scenic vista?					■	
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?					■	
c. Substantially degrade the existing visual character or quality of the site and its surroundings?					■	
<b>1 a, b and c Aesthetics</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant Impact.</b> The 2010 MND found that due to the location of the recharge project on the surface of Pipes Wash; approximately 180 feet below the existing public rights-of-way, impacts to existing scenic vistas, resources and visual character would be less than significant. The existing terrain will remain primarily unchanged and no excavation will be required. Minimal grading and vegetation loss will occur but will not result in a noticeable change to the environment. Fencing may be installed but would also be located in the wash. Connecting pipelines to the Recharge Project would be placed underground. In addition, there are no scenic resources identified in the Project Area. As a result, the MND concluded that impacts associated with scenic vistas, resources and visual character of the area would be less than significant.<sup>3</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND. However, the revised recharge project will be comprised of approximately 6 acres rather than the previously evaluated 15-acre spreading ground area. In addition, no fencing will be installed. resulting in a lesser impact to the area as previously evaluated.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in Addendum No. 1. As proposed, Addendum No. 2 addresses issues related to incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to aesthetics therefore impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant</b></p>						

<sup>3 6</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg 24, May 2010

Would the project:	Substantial Change in Project Requiring additional environmental review	Substantial Change to Circumstances Requiring additional environmental review	Information Showing Greater Significant Effects than identified in the Previous document	New Information Showing Ability to Reduce, but not Eliminate Significant Effects	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
d. Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?					■	
<p><b>1d. Aesthetics</b></p> <p><b>Analysis of 15-acre Recharge Project: No Impact.</b> The previously prepared MND stated that no lighting is proposed for the recharge project or well sites area and concluded that no impact would occur.<sup>4</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND. No lighting is proposed for the revised project area.</p> <p><b>2012 Analysis of the revised project conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to lighting therefore impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact</b></p>						

## 4.2 AGRICULTURE AND FORESTRY RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model(1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire protection regarding the state's inventory of forest land, including the Forest and Range assessment Project and the Forest Legacy Assessment project, and the forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?					■	
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?					■	
<p><b>2. a – b Agriculture and Forestry Resources</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The previously prepared MND found that the project site is located in a rural area and is not used for irrigated agricultural production or grazing. The project site is not agriculturally zoned, is outside of the Farmland Mapping and Monitoring Program survey area and does not contain any Williamson Act contracts.<sup>5 6</sup> The MND concluded that the project would have no impacts on Agriculture or Agricultural land uses.</p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND, although the area is smaller. Since 2010 no lands have been designated for agricultural use and no new Williamson Act contracts adopted.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to agricultural use or new Williamson Act contracts; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>5</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg 33, May 2010

<sup>6</sup> [http://www.conservation.ca.gov/dlrp/lca/stats\\_reports/Documents/2010%20Williamson%20Act%20Status%20Report.pdf](http://www.conservation.ca.gov/dlrp/lca/stats_reports/Documents/2010%20Williamson%20Act%20Status%20Report.pdf), website accessed on Sept. 28, 2011, Williamson Act Program California Department of Conservation, Appendix C, November 2010

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
c. Conflict with existing zoning for or cause rezoning of forest land (as defined in Public Resources Code 12220 (g)), timber land (as defined in Public Resources Code 4526), or timber land zoned Timberland Production (as defined in Government Code 51104 (g))?						■
d. Result in the loss of forest land or the conversion to non-forest use?						■
<p><b>2. c – d Agriculture and Forestry Resources</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Not Addressed.</b> These issues were not included in the Environmental Review Checklist when the previously adopted MND was prepared.</p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> Public Resources Code 12220(g) defines forest land as land that can support 10 percent native tree cover of any species and that allows for management of one or more forest resources. The project area is comprised of typical desert vegetation such as, creosote bush, Joshua trees, and a variety of cactus, the site is not considered forest land or timberland. In addition, the site is currently zoned Rural Living (HV/RL) not Timberland Production. Therefore, no impact is identified for this issue area.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to forest land or Timberland Production; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						
e. Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?					■	
<p><b>2. e Agriculture and Forestry Resources</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Partially Analyzed.</b> The previously prepared MND did analyze impacts on Agricultural Resources and found that there were no impacts. It did not consider the impact on forestry resources.</p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact</b> Located in the western Mojave Desert, the site is not in an area zoned for or used to produce either agricultural resources or timber. Therefore, no new impact is identified for this issue area.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. The 2012 Addendum analyzes incorporation of additional Mitigation Measures which will not result in a physical change and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures do not affect issues related to the conversion of an agricultural use or forest land use to a new land use; therefore, impacts related to this issue area will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

### 4.3 AIR QUALITY

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Conflict with or obstruct implementation of the applicable air quality plan?					■	
<p><b>3a. Air Quality</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant Impact with Mitigation.</b> The 2010 MND evaluated the environmental impacts associated with the 14 miles of installation/replacement pipeline and also the groundwater storage component, which was comprised of the 15 acre recharge project. These projects were reviewed separately and also together to determine the worst case scenario in terms of their air quality impacts. The MND determined that air quality emissions associated with construction of the recharge project would not exceed Mojave Desert Air Quality Management District (MDAQMD) thresholds. In addition, operation of the recharge project would only require periodic inspections and would only result in a few worker trips per year.</p> <p>Under the assumed worst case conditions the construction of the recharge project and pipeline installation scheduled concurrently, emissions resulting from project construction, would exceed regional criteria pollutant thresholds established by the MDAQMD for emissions of NO<sub>x</sub>. However, the MND stated that preliminary scheduling suggested that the two activities would not overlap. However, to ensure impacts would be reduced to a level of less than significance if the worst case scenario did occur, the following mitigation measures were incorporated into the MND:</p> <p><b>Mitigation Measures:</b></p> <p><b>AQ1</b> The contractor shall minimize pollutant emissions by maintaining equipment engines in good condition and in proper tune according to manufacturer's specifications and during smog season (May through October) by not allowing construction equipment to be left idling for more than five minutes (per California law).</p> <p><b>AQ2</b> The contractor shall ensure use of low-sulfur diesel fuel in construction equipment as required by the California Air Resources Board (CARB) (diesel fuel with sulfur content of 15ppm by weight or less).</p> <p><b>AQ3</b> The contractor shall ensure that all unpaved roads and disturbed areas within the project are watered at least three times daily during dry weather.</p> <p><b>AQ4</b> The contractor shall ensure that traffic speeds on unpaved roads and project site areas are reduced to 15 miles per hour or less.</p> <p>Implementation of Mitigations Measures AQ1, AQ2, AQ3, and AQ4 would ensure compliance with applicable air quality plans and impacts associated with both the Ames/Reche Groundwater Storage and Recovery (recharge project) and the Pipeline Installation/Replacement Program would be less than significant with mitigation incorporated.<sup>7</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant or Less than Significant with Mitigation.</b> The Pipeline Installation Project is not designed and BDVWA does not intend to proceed with the project in the short term. With only the recharge project under construction, MDAQMD thresholds would not be exceeded. In addition, the size of the project has reduced significantly so impacts associated with the project are further reduced.</p> <p>As currently scheduled, impacts would be less than significant. In the unlikely event that the pipeline installation project was to begin during construction of the recharge project, the impact would still be Less than Significant with Mitigation.</p> <p><b>2012 Analysis of the Revised Project Conditions.</b> To ensure that development of the spreading grounds and pipeline installation would not occur concurrently, the following condition was added:</p>						

<sup>7</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg 32, May 2010

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<b>AQ5</b> The contractor shall schedule the work so that the pipeline and spreading grounds construction are not concurrent.						
<b>Impact Resulting from Construction of the Revised Project: Less than Significant.</b>						
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?					■	
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?					■	
d. Expose sensitive receptors to substantial pollutant concentrations?					■	
e. Create objectionable odors affecting a substantial number of people?					■	
<b>3 b-e Air Quality</b> <b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant.</b> As concluded in the 2010 MND the proposed project site is located within the Mojave Desert Air Basin which is designated as non-attainment for ozone and PM <sub>10</sub> . Because the project site is larger than one-half acre compliance with the MDAQMD dust control measures would be required. Implementation of the MDAQMD rules would ensure that emission levels of these pollutants would not violate any air quality standards or subject sensitive receptors to substantial pollutant concentrations or objectionable odors. Impacts associated with these issue areas were determined to be less than significant. <sup>8</sup>  <b>2011 Analysis of the 6-acre Recharge Project:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, impacts associated with these issue areas are considered less than significant.  <b>2012 Analysis of the Revised Project Conditions.</b> To ensure that development of the spreading grounds and pipeline installation would not occur concurrently and that no air quality standards would be violated, the following condition was added:  <b>AQ5</b> The contractor shall schedule the work so that the pipeline and spreading grounds construction are not concurrent  <b>Impact Resulting from Construction of the Revised Project: Less than Significant.</b>						

<sup>8</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pgs. 32-33, May 2010



## 4.4 BIOLOGICAL RESOURCES

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?					■	
<p><b>4a Biological Resources</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant With Mitigation Incorporated.</b> To avoid impacts to the Desert tortoise, two surveys covering over 100 acres of Pipes Wash were conducted. The first survey was comprised of approximately 51 acres. Several special status species including four active tortoise burrows were found. A second survey was conducted directly south of the first survey area. Tortoise sign was found and three burrows for the Burrowing owl were found within a portion of the second survey area. Nesting and foraging areas for the LeConte thrasher were also found within the recharge project survey area. However, the MND concluded by locating the Recharge Project within the southern portion of the second survey area that impacts on the Desert tortoise, Burrowing owl and LeConte's thrashers would be considered less than significant with the following mitigation measures incorporated.</p> <p><b>BIO2:</b> Prior to permit issuance, if a tortoise is found on-site at the time of construction, all activities likely to affect that animal(s) should cease and the appropriate regulatory agencies contacted to determine appropriate steps.</p> <p><b>BIO3:</b> Following permit issuance, all protective measures given in pertinent regulatory documents should be implemented to minimize or avoid impacts.</p> <p><b>BIO4:</b> If impacts to the western burrowing owl as defined by the CDFG cannot be avoided, the following measures shall be implemented:</p> <ul style="list-style-type: none"> <li>• Avoiding occupied burrows during the breeding season, between February 1<sup>st</sup> and August 31<sup>st</sup>;</li> <li>• Purchasing and permanently protecting 6.5 acres of foraging habitat per pair or unpaired resident bird impacted;</li> <li>• Creating new burrows or enhancing others when destruction of occupied burrows is unavoidable;</li> <li>• Implementing passive relocation if owls must be moved; and</li> <li>• Provide funding for long-term management and monitoring of protected lands.</li> </ul> <p><b>BIO5:</b> Minimize the amount of disturbed LeConte's thrasher habitat and schedule development between late August and late January to avoid breeding and nesting birds.</p> <p>In terms of native plant species the MND concluded that with the incorporation of the above mitigation measures and compliance with the San Bernardino County Code, Native Plant Protection Act and the Department of Food and Agriculture Division 23, impacts associated with the construction of the recharge project would be considered less than significant.<sup>9</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, impacts associated with this issue area are considered less than significant with mitigation incorporated.</p> <p><b>2012 Analysis of the Revised Project Conditions.</b> To ensure that impacts to the desert tortoise would be reduced to less than significant, the following conditions were added:</p>						

<sup>9</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pgs. 35 – 41, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<p><b>BIO 6</b> BDVWA shall employ authorized biologists and desert tortoise monitors, approved by USFWS and BLM, to ensure compliance with protective measures for the desert tortoise. Use of authorized biologists and desert tortoise monitors shall be in accordance with the most up-to-date USFWS guidance and shall be required for monitoring of any construction, operation, or maintenance activities that may result in adverse effects to the desert tortoise. The current guidance from 2008 is entitled "Desert Tortoise – Authorized Biologist and Monitor Responsibilities and Qualifications."</p> <p><b>BIO 7</b> BDVWA shall provide the credentials of all individuals seeking approval as authorized biologists and/or desert tortoise monitors to BLM. BLM shall review these and provide the credentials of appropriate individuals to USFWS for approval at least 30 days prior to the time they must be in the field.</p> <p><b>BIO 8</b> BDVWA shall designate a field contact representative (FCR) who shall oversee compliance with protective measures during construction, operation, and maintenance that may result in adverse effects to desert tortoises. If the FCR identifies a violation of the desert tortoise protective measures, they shall halt work until the violation is corrected. At the time of this writing, Ms. Marina West, BDVWA General Manager is identified as the FCR.</p> <p><b>BIO 9</b> Individuals approved to handle desert tortoises (i.e., authorized biologists and desert tortoise monitors) shall do so in compliance with the most up-to-date guidance from USFWS. USFWS is currently using the 2009 "Desert Tortoise Field Manual."</p> <p><b>BIO 10</b> BDVWA has no plans to install fencing around the 6-acre± spreading grounds. Rather, within 48 hours of discharge, the affected area shall be inspected for tortoises and tortoise burrows. If no tortoises or burrows are found, discharge would occur in the absence of a monitor. If either a tortoise or tortoise burrow is found, the authorized biologist or monitor would remain on-site for a sufficient amount of time during discharge to ensure that the animal and/or burrow are not harmed or lost, respectively. The authorized biologist may determine that the tortoise needs to be relocated outside the inundation area, in which case, the biologist would observe the tortoise until it is determined that the animal is behaving normally. It may be necessary to create an artificial burrow for the tortoise or position it at the opening of an existing burrow.</p> <p><b>BIO 11</b> Authorized biologists shall remove desert tortoises from work areas for the pipeline immediately prior to the onset of construction or maintenance activities. In the unlikely event tortoises are encountered during pipeline installation, they shall be moved in the direction in which they were traveling and be monitored until the authorized biologist is comfortable they are resuming normal activity.</p> <p><b>BIO 12</b> BDVWA shall employ an appropriate number of authorized biologists and desert tortoise monitors to monitor construction, operation, and maintenance that occur in any unfenced work areas. Authorized biologists or desert tortoise monitors shall flag all desert tortoise burrows for avoidance in areas adjacent to work areas.</p> <p><b>BIO 13</b> BDVWA shall confine all construction activities, project vehicles, and equipment within the delineated boundaries of construction areas that authorized biologists or desert tortoise monitors have identified and cleared of desert tortoises. BDVWA shall confine all work areas to the smallest practical area, considering topography, placement of facilities, location of burrows, public health and safety, and other limiting factors. BDVWA shall use previously disturbed areas to the extent feasible.</p> <p><b>BIO 14</b> BDVWA shall confine all construction activities, project vehicles, and equipment within the delineated boundaries of construction areas that authorized biologists or desert tortoise monitors have identified and cleared of desert tortoises. BDVWA shall confine all work areas to the smallest practical area, considering topography, placement of facilities, location of burrows, public health and safety, and other limiting factors. BDVWA shall use previously disturbed areas to the extent feasible.</p> <p><b>BIO 15</b> BDVWA shall prohibit project personnel from driving off road or performing ground-disturbing activities outside of designated areas during construction, operation, or maintenance, except to deal with emergencies.</p> <p><b>BIO 16</b> During operation and maintenance activities, BDVWA shall confine all vehicle parking, material stockpiles, and construction related materials to areas that have been inspected by the authorized biologists to ensure desert tortoises are absent.</p>						

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<p><b>BIO 17</b> With the exception of security personnel, BDVWA shall prohibit firearms on the project site.</p> <p><b>BIO 18</b> Construction personnel working outside of fenced areas shall check under vehicles or equipment before moving them. If a desert tortoise is present under the vehicle, the personnel shall contact an authorized biologist or desert tortoise monitor. The desert tortoise shall be allowed to move a safe distance away prior to moving the vehicle. Alternatively, an authorized biologist or desert tortoise monitor may move the desert tortoise to a safe location to allow for movement of the vehicle.</p> <p><b>BIO 19</b> An authorized biologist or desert tortoise monitor shall inspect all excavations on a regular basis (several times per day) and immediately prior to filling of the excavation. If project personnel discover a desert tortoise in an open trench, an authorized biologist or desert tortoise monitor shall move it to a safe location. BDVWA shall cover or temporarily fence excavations that are outside of the permanently fenced project areas at the end of each day to prevent entrapment of desert tortoises during non-work hours.</p> <p><b>BIO 20</b> When outside of fenced project areas, project personnel shall not move construction pipes greater than 3 inches in diameter if they are stored less than 8 inches above the ground until they have inspected the pipes to determine the presence of desert tortoises. As an alternative, BDVWA may cap all such structures before storing them outside the fenced area.</p> <p><b>BIO 21</b> BDVWA shall contain all organic and inorganic trash associated with the project in secure, self-closing receptacles to prevent the introduction of subsidized food resources for common ravens.</p> <p><b>BIO 22</b> If evidence of predation by common ravens on desert tortoises is detected during construction or operation of the recharge facility, BDVWA shall contact the Common Raven Management Working Group as soon as possible to determine the feasibility of removing these birds. Staff from Wildlife Services, which is an agency of the U.S. Department of Agriculture, would then visit the site, with BDVWA permission, to remove offending birds.</p> <p><b>BIO 23</b> BDVWA shall have an authorized biologist survey the basin within 8 hours of releasing water to remove any desert tortoises that are present.</p> <p><b>BIO 24</b> BDVWA shall contact the BLM immediately if it becomes aware that a desert tortoise has been killed or injured by project activities.</p> <p><b>BIO 25</b> Within 30 days of completion the pipeline and basin construction, the BDVWA shall provide a report to the BLM that provides details on the effects of the action on the desert tortoise. The report shall include the names of any monitors who assisted the authorized biologist and an evaluation of the experience they gained on the project. The report shall also include a completed project qualifications form on the USFWS website (<a href="http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf">http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf</a>), along with any appropriate narrative would provide an appropriate level of information.</p> <p><b>BIO 26</b> Each year the BDVWA shall provide an annual report to the BLM documenting the effects of the spreading grounds operations on the desert tortoise. The report shall include the names of any monitors who assisted the authorized biologist and an evaluation of the experience they gained on the project. The report shall also include a completed project qualifications form on the USFWS website (<a href="http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf">http://www.fws.gov/ventura/sppinfo/protocols/deserttortoise_monitorqualifications-statement.pdf</a>), along with any appropriate narrative would provide an appropriate level of information.</p> <p><b>BIO 27</b> BDVWA shall implement any and all mitigation measures identified and required by the CDFG.</p> <p><b>Impact Resulting from Construction of the Revised Project:</b> Less than Significant with Mitigation Incorporated.</p>						

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?					■	
<b>4b Biological Resources</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant.</b> Because the proposed recharge project is within Pipes Wash, a riparian habitat, a 1601-03 Streambed Alteration Agreement from the California Department of Fish and Game (CDFG) was required. The permit conditions protect riparian habitat. Additionally compliance with the San Bernardino County Development Code Section 88.01, Plant Protect and Management Ordinance would ensure impacts associated with this issue area are less than significant.<sup>10</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND. In addition, the total area affected will be smaller; therefore, impacts associated with this issue area are considered less than significant.</p> <p><b>2012 Analysis of the Revised Project Conditions.</b> The location and design of the revised recharge project are consistent with the project analyzed in the MND and Addendum No. 1. Additional conditions described in the analysis for 4a have been adopted; therefore, impacts associated with this issue area are considered less than significant.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant</b></p>						
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) either individually or in combination with the known or probable impacts of other activities through direct removal, filling, hydrological interruption, or other means?					■	
<b>4c Biological Resources</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that No federally protected wetlands are located within the recharge project area; therefore, no impacts would occur.</p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND. The site is not within a federally protected wetland.</p> <p><b>2012 Analysis of the Revised Project Conditions.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND. The site is not within a federally protected wetland.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>10</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 41, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of wildlife nursery sites?					■	
<p><b>4d Biological Resources</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant With Mitigation Incorporated.</b> Because the proposed recharge project is within Pipes Wash where habitat can be denser, the area may be used by the Desert tortoise as a travel corridor and for foraging. Minimal ground disturbance would be anticipated with construction of the recharge project and depending on percolation rates there would be little or no new standing water. With the incorporation of the mitigation measures as stated in section 4.4 (a) it was concluded that impacts to native species would be reduced to a level of less than significant.<sup>11</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant With Mitigation Incorporated</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts with mitigation incorporated associated would occur due to project implementation.</p> <p><b>2012 Analysis of the Revised Project Conditions.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND and Addendum No. 1; therefore, less than significant impacts with mitigation incorporated associated would occur due to project implementation.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less Than Significant With Mitigation Incorporated.</b></p>						

<sup>11</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 42, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?					■	
<b>4e Biological Resources</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant.</b> The 2010 MND concluded that impacts to sensitive plant species would occur due to project implementation. However, vegetation removal would be minimal and compliance with the San Bernardino County Development Code, California Native Plant Protect Act and the Department of Food and Agriculture Division 23 as they pertain to protected plant species would be required. In addition the proposed project would not conflict with local policies or ordinances protecting biological resources. Therefore, it was concluded that impacts related to this issue area would be less than significant.<sup>12</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND. In addition, the total area affected will be smaller; therefore, impacts associated with this issue area are considered less than significant.</p> <p><b>2012 Analysis of the Revised Project Conditions.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND and Addendum No. 1; therefore, impacts associated with this issue area are considered less than significant.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant Impact.</b></p>						
f. Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or State habitat conservation plan?					■	
<b>4f Biological Resources</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant With Mitigation Incorporated.</b> The 2010 MND concluded that implementation of the proposed project has the potential to impact sensitive or threatened plant and animal species which would result in a conflict with the West Mojave Plan which is the largest Habitat Conservation Plan in the United States. However, with the implementation of the proposed mitigation measures stated in Section 4.4(a), conflict with the West Mojave Plan would not occur. Therefore, impacts would be considered less than significant with mitigation measures incorporated.<sup>13</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant With Mitigation Incorporated.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND. In addition, the total area affected will be smaller; therefore, impacts associated with this issue area would be less than significant impacts with mitigation incorporated.</p> <p><b>2012 Analysis of the Revised Project Conditions.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND and Addendum No. 1.; therefore, impacts associated with this issue area would be less than significant impacts with mitigation incorporated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant With Mitigation Incorporated.</b></p>						

<sup>12</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 42, May 2010.

<sup>13</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 42, May 2010.

## 4.5 CULTURAL RESOURCES

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Cause a substantial adverse change in the significance of an historical resource as defined in §15064.5?					■	
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?					■	
c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?					■	
d. Disturb any human remains, including those interred outside of formal cemeteries?					■	
<b>5a-d Cultural Resources</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant With Mitigation Incorporated.</b> Based on the Class II Cultural Resources Survey conducted within the project area and within one mile radius of the site, the 2010 MND concluded that no cultural resources previously recorded had been found. The Scared Lands File Search conducted by the Native American Heritage Commission in the project area and within a half-mile radius determined that no Native American Cultural Resources were found. A walking survey of the project site found no evidence of potentially significant cultural resources of either prehistoric or historical sensitivity. The report concluded the potential to encounter intact archeological or cultural deposits was extremely low. Based on this information, the likelihood of unearthing human remains is extremely low. However, in the event that remains are unearthed during construction, State Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98 provide guidance with regard to the accidental discovery of human remains. Mitigation Measures were drafted to address potential impacts related to the Pipeline/Installation and Replacement Project, not addressed in this Addendum.</p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant With Mitigation Incorporated.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, impacts associated with this issue area are considered less than significant with mitigation incorporated.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to cultural resources; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Level of Impact Resulting from Construction of the Revised Project: Less than Significant With Mitigation Incorporated.</b></p>						

## 4.6 GEOLOGY AND SOILS

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:					■	
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.						
ii) Strong seismic ground shaking?					■	
iii) Seismic-related ground failure, including liquefaction?					■	
iv) Landslides?					■	
b. Result in substantial soil erosion or the loss of topsoil?					■	
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?					■	
<b>6a-c Geology and Soils</b>  <b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant.</b> Although the project site is located in a region of high seismic activity and earthquakes are common on the many active earthquake faults, development in this area would be subject to rigorous design criteria under the Uniform Building Code (UBC) and the California Building Code (CBC). Hazards to people and property would be minimal in that there are no above ground structures and ruptures of earthquake faults, ground failure, and landslides would be reduced to a level of less than significance through the incorporation of the UBC and CBC strict design criteria.  The soil in the project area is comprised of sandy soils (Hanford Greenfield and Cajon) and has moderate to high erosion potential. However, compliance with the County of San Bernardino Development Code Section 85.11, obtaining a National Pollutant Discharge Elimination Systems (NPDES) permit, and standard engineering practices (site watering and soil compaction) soil erosion impacts would be less than significant. <sup>14</sup>						

<sup>14</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg 48-50, May 2010



	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<b>Would the project:</b>						
<p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, impacts associated with these issue areas are considered less than significant.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to seismic activity, landslides, liquefaction or erosion; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Level of Impact Resulting from Construction of the Revised Project: Less than Significant</b></p>						
	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<b>Would the project:</b>						
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994) creating substantial risks to life or property?					■	
f. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?					■	
<p><b>6 d-e Geology and Soils</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND referenced the 2004 Mojave Water Agency Regional Management Plan Program EIR that identified the soils in the project area as having a low shrink-swell potential. In addition, no septic or alternative wastewater disposal systems are proposed as a part of this project. Therefore, it was concluded that there were no impacts related to these issue areas.<sup>15</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to expansive soil or soils not capable of supporting septic tanks or alternative disposal systems; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Level of Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>15</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg 50, May 2010

## 4.7 GREENHOUSE GAS EMISSIONS

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?					■	
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?					■	
<b>7a-b Greenhouse Gas Emissions</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant.</b> As discussed in the 2010 MND, greenhouse gas emissions are comprised of carbon dioxide, methane, nitrous oxide, and fluorinated gases. During construction, short term increases in greenhouse gases may occur due to construction vehicles. However, scheduling construction activities for the Pipeline Installation and the Recharge Project at different times will ensure that emissions associated with greenhouse gases such as carbon dioxide and nitrous oxide does not exceed the allowable thresholds. In addition, compliance with the applicable MDAQMD rules and regulations and San Bernardino County Development Code Section 83.01.040 would ensure that emission levels of greenhouse gas pollutants would be reduced and be considered less than significant during construction activities. Once operational, the project would not result in an increase in greenhouse gas emissions in that once installed the pipelines will be underground and the recharge project will only involve the spreading and percolation of water. Therefore, the proposed project would generate less than significant levels of greenhouse gas emissions.<sup>16</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. Although the project as proposed would not result in a significant impact in terms of greenhouse gas emissions an added mitigation measure to the Air Quality section will in fact lessen emissions associated with greenhouse gases. Therefore, it can be anticipated that impacts related to greenhouse gas emission will remain as previously evaluated.</p> <p><b>Level of Impact Resulting from Construction of the Revised Project: Less than Significant.</b></p>						

<sup>16</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg 52, May 2010

## 4.8 HAZARDS AND HAZARDOUS MATERIALS

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?					■	
b. Create a significant hazard to the public or the environment through the reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment?					■	
<b>8a-b Hazards and Hazardous Materials</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant.</b> The 2010 MND stated that hazardous substances associated with construction equipment and vehicles could result in the exposure of workers and the environment to hazardous materials. However, the construction component of the project is short term and all construction activities would be in compliance with applicable federal, state and county laws pertaining to the safe handling and transport of hazardous materials. Once the project is completed, no hazardous materials would be utilized in the operation of the Recharge Project. The MND concluded that no impacts would occur related to these issue areas.<sup>17</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts associated with these issue areas will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions: Less than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. The 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project; therefore, impacts related to the release of hazardous material into the environment will remain less than significant.</p> <p><b>Level of Impact Resulting from Construction of the Revised Project: Less than Significant.</b></p>						
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?					■	
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?					■	

<sup>17</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg 54, May 2010

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?					■	
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?					■	
<b>8c-f Hazards and Hazardous Materials</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The previously prepared MND determined that the project site is not within one-quarter mile of an existing or proposed school site, in an airport land use plan area or within a vicinity of a private airstrip. In addition, the site is not listed on a hazardous materials site pursuant to Government Code Section 65962.5. The MND concluded that no impacts in these issue areas.<sup>18</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location of the revised recharge project is consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions.</b> The location of the revised recharge project is consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project.</p> <p><b>Level of Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						
g. Impair implementation of or physically interferes with an adopted emergency response plan or emergency evacuation plan?					■	
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?					■	
<b>8g-h Hazards and Hazardous Materials</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant.</b> The previously adopted MND concluded that short-term impacts to various roadways and Highway 247 may occur due to construction vehicles, activities and the closing down of various roadways. However, It was not anticipated that Highway 247 would be closed and appropriate permits would be obtained to ensure that impairment of emergency response vehicles and evacuation routes would not be impaired and impacts would be less than significant. In terms of the risk of wildland fires, provisions of the San Bernardino County Development Code would ensure that the exposure of people or property to wildland fire risks would be less than significant. No impacts related to these issue areas would occur during operation of the recharge project in</p>						

<sup>18</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg 54-55, May 2010

	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<b>Would the project:</b>						
that no employees would be required to run the Recharge Project. Periodic maintenance of the recharge project would be required but would not result in exposing people to impacts associated with these issue areas. <sup>19</sup>						
<b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts associated with these issue areas will occur due to implementation of the revised project.						
<b>2012 Analysis of the Revised Project Conditions.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND and Addendum No. 1; therefore, less than significant impacts associated with these issue areas will occur due to implementation of the revised project.						
<b>Level of Impact Resulting from Construction of the Revised Project: Less than Significant.</b>						

<sup>19</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg 55, May 2010

## 4.9 HYDROLOGY AND WATER QUALITY

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Violate any water quality standards or waste discharge requirements?					■	
<p><b>9a Hydrology and Water Quality</b></p> <p><b>2010 MND Analysis of 15-acre: Less Than Significant With Mitigation Incorporated.</b> The 2010 MND concluded that during the construction phase there may be temporary water quality impacts such as discharge of pollutants into the groundwater due to, sediment from grading operations, oil and grease from equipment, trash from worker and construction activities, heavy metals, and other substances. However, compliance with NPDES permitting requirements and the San Bernardino County Development Code Sections 82.13.080, 85.11.030 and 88.02.040 would ensure that no violations of water quality standards and waste discharge requirements would occur due to construction. In addition, a hydrology study conducted by Todd Engineers identified three potential impacts to groundwater quality due to the installation and operation of the recharge project.</p> <ul style="list-style-type: none"> <li>The process of mixing imported State Water Project (SWP) water with native groundwater could potentially impact groundwater quality in the Reche Sub basin by introducing contaminants in SWP water to groundwater and/or inducing geochemical reactions in the subsurface that precipitate or dissolve minerals present in the aquifer formation, groundwater, or recharge water.</li> <li>As the imported SWP water percolates through the base of the Recharge Project, recharged SWP water may mobilize and transport any soluble salts and/or contaminants in the underlying unsaturated zone to the water table.</li> <li>Rising groundwater due to enhanced recharge (groundwater mounding) can also mobilize naturally occurring or anthropogenic contaminants in the unsaturated zone (e.g., nitrate) and cause migration of low quality water away from the Recharge project.</li> </ul> <p>The study concluded that based on the available data and current conditions, impacts to groundwater water quality or discharge due to the installation of the recharge project would be insignificant. However, in accordance with standard engineering practice and better documentation of baseline conditions, the following mitigation measures were recommended:</p> <p><b>HWQ1</b> Prior to construction of the recharge project, two or more monitoring wells should be installed. A well at the project site would be used to evaluate unsaturated zone conditions and monitor changes in groundwater quality and groundwater levels following the implementation of the project. A second monitoring well would be located down gradient from the recharge area near a local production well (HDWD No. 24) to provide baseline groundwater data and monitor recharge water as it moves down gradient. This well would also be available as an observation well for aquifer pumping tests in the production well to confirm local aquifer parameters.</p> <p><b>HWQ2</b> A septic tank survey should be completed prior to construction of the recharge project to better define baseline conditions. The survey area should include all areas within a 1-mile radius from the project site. Results will be used to further assess the risk for nitrate loading in area where groundwater table increases associated with recharge operations is expected.</p> <p>Therefore, with incorporation of HWQ1 and HWQ2, no water quality standards or discharge requirements would be violated and the impact would be less than significant with mitigation incorporated.<sup>20</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant With Mitigation Incorporated.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts with incorporated mitigation associated with these issue areas will occur due to implementation of the revised project.</p>						

<sup>20</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, May 2010, pg 58.

	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<p><b>Would the project:</b></p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The following new mitigation measure to be incorporated as a part of this Addendum further ensures that impacts related to this issue area will remain less than significant with incorporated mitigation:</p> <p><b>HWQ3</b> Once the spreading grounds are in operation, a monitoring program will be instituted pursuant Ames/Reche Groundwater Storage and Recovery Program and Management Agreement Monitoring Plan. Data collected from monitoring wells will be compiled in an annual report and distributed to USGS Clearinghouse and BLM.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant with Mitigation.</b></p>						
b. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (i.e., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?					■	
<p><b>9b Hydrology and Water Quality</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that the proposed project is designed to increase groundwater supply and improve groundwater recharge. This conclusion was particularly important in that recent studies indicated that groundwater levels are declining in the Reche Subbasin and adjacent areas served by BDVWA. The BDVWA Water Infrastructure Restoration Program (WIRP) estimated that by the year 2025, BDVWA water use will reach 749 acre-feet per year (afy). A conservative estimation would give BDVWA production rights of 500 afy. This would result in a deficiency of 249 afy. The WIRP proposed that this deficiency would be addressed by participation in the State Water Project (SWP) and construction of the Recharge project. Therefore, the 2010 MND concluded that the proposed project would not result in substantially depleting groundwater supplies or levels and would in fact be beneficial; therefore, no impact would occur<sup>21</sup>.</p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with this issue area will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The incorporation of mitigation measure HWQ3 as a part of this Addendum further ensures that impacts related to this issue area will remain less than significant with incorporated mitigation:</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>21</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 59, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation on or off site?					■	
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on or off site?					■	
e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?					■	
f. Otherwise substantially degrade water quality?					■	
<p><b>9c-f Hydrology and Water Quality</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant.</b> The previously adopted MND concluded that installation of the proposed project would entail minimal grading and vegetation removal. The topography of the site would remain basically unchanged and would not result in a change to the existing drainage pattern. Additionally as a part of the NPDES permit, the project would also be required to prepare Storm Water Pollution Protection Plans (SWPPP) and comply with Best Management Practices (BMPs). These measures would ensure that substantial erosion or siltation on- or off-site will not occur. Therefore, it was concluded that implementation of the proposed project would result in less than significant impacts as they pertain to these issue areas.<sup>22</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts associated with these issue areas will occur due to implementation of the revised project</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to drainage patterns, runoff or degradation of water quality; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant.</b></p>						

<sup>22</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pgs.59-61, May 2010.



Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
g. Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?					■	
h. Place within a 100-year floodplain structures that would impede or redirect flood flows?					■	
i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?					■	
j. Inundate by seiche, tsunami, or mudflow?					■	
<b>9g-j Hydrology and Water Quality</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that the project is not located within a Special Flood Hazard Area as determined by the County of San Bernardino Hazards Maps. No floodways associated with levees or dams are identified on the County of San Bernardino Hazards Maps. There are no anticipated impacts due to the proposed project from seiche, tsunami, or mudflow, as no topographical features or water bodies capable of producing such events are located within the vicinity of the project. Lastly, the proposed project does not include the construction of any housing; therefore, no flood related impacts would occur due to implementation of the proposed project.</p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to flooding, seiche, tsunami, or mudflows; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

## 4.10 LAND USE AND PLANNING

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Physically divide an established community?					■	
b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?					■	
<p><b>10. a - b Land Use and Planning</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The previously adopted MND concluded that the proposed project will be located on the surface of Pipes Wash and will not be visible from the public right-of-way. In addition, compliance with all applicable San Bernardino County land use policies and regulations would ensure that the project would not conflict with existing land uses or physically divide the community. Therefore, it was concluded that no impacts regarding these issue areas would occur due to project implementation.<sup>23</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to physically dividing a community or inconsistency with applicable land use plans; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>23</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 62, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
c. Conflict with any applicable habitat conservation plan or natural community conservation plan?					■	
<p><b>10c Land Use and Planning</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant With Mitigation Incorporated.</b> The 2010 MND concluded that the project area is located within the boundaries of the West Mojave Plan (WMP). WMP is a habitat conservation plan and federal land use plan amendment adopted to conserve and protect the Desert tortoise, the Mohave ground squirrel and nearly 100 other sensitive plants and animals. This plan also provides a streamlined program for complying with the requirements of the California and federal Endangered Species Acts. The Biological Survey prepared by Circle Mountain found that the Desert Tortoise and Burrowing owl were evident within the project area, as well as several sensitive plant species. As discussed in the Biological Resources section 4.4, mitigation measures as they pertain to the protection of these species would ensure that no conflict with the WMP would occur. Therefore, it was concluded that with the incorporation of mitigation measures established in section 4.4 less than significant impacts would occur due to project implementation.<sup>24</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant With Mitigation Incorporated.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts with incorporated mitigation associated with this issue area will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to conflicting with applicable Habitat Conservation Plans; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less Than Significant With Mitigation Incorporated.</b></p>						

<sup>24</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 63, May 2010.

## 4.11 MINERAL RESOURCES

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Result in the loss of availability of a known mineral resource that would be of value to the region and residents of the state?					■	
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?					■	
<p><b>11a-b Mineral Resources</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant.</b> The 2010 MND concluded that there are isolated patches of MRZ-3a in the Bighorn Mountains and Fry Mountains with the remainder of the BDVWA service area being MRZ-4. Areas classified as MRZ-3a have a moderate potential for the discovery of economic mineral deposits. The MRZ-4 classification implies that there is a lack of knowledge regarding mineral occurrence and further exploration work could well result in reclassification. However, because the project is for the percolation of water there would be no loss of access to mineral resources and the proposed project will impact not existing mineral resource or mining operations. Therefore, it was concluded that impacts regarding these issue areas are considered less than significant.<sup>25</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts associated with these issue areas will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to mineral resources; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant</b></p>						

<sup>25</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pgs 63-64, May 2010.

## 4.12 NOISE

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?					■	
b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?					■	
c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?					■	
d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?					■	
<p><b>12a - d Noise</b>  <b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant.</b> The 2010 MND concluded that the proposed project would involve construction and earthmoving activity that would temporarily impact the existing noise environment.. All construction-related noise would be compliant with San Bernardino Development Code Section 83.01.080 the adopted noise regulations. As a result, the project will not expose persons to or generate noise levels in excess of the San Bernardino Development Code. Noise levels will not exceed adopted standards. Therefore, it was concluded that impacts resulting from the temporary increase in ambient noise levels would be less than significant.<sup>26</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts associated with these issue areas will occur due to implementation of the revised project</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to noise; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant</b></p>						

<sup>26</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pgs. 64 -67, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?					■	
f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?					■	
<p><b>12e-f Noise</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that the project site is not located in an airport land use designated area or within the vicinity of a private or public airport. Therefore, it was concluded that no impacts to people residing or working in the area would occur in terms of these issue areas.<sup>27</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to subjecting people to airport related noise; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>27</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg.67, May 2010.

## 4.13 POPULATION AND HOUSING

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and business) or indirectly (for example, through extension of roads or other infrastructure)?					■	
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?					■	
c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?					■	
<p><b>13a -c Population and Housing</b>  <b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The previously adopted MND concluded that no new homes or businesses are proposed due to implementation of the proposed project. Construction and operation of the recharge project is designed to improve the reliability of the water system by creating redundancy. Therefore, no impact would occur in terms of population growth in that the proposed project would not result in displacing housing nor necessitating the construction of new housing or businesses.<sup>28</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to population and housing; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact</b></p>						

<sup>28</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg.68, May 2010.

## 4.14 PUBLIC SERVICES

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:						
i) Fire protection?					■	
ii) Police protection?					■	
iii) Schools?					■	
iv) Parks?					■	
<p><b>14a, i-iv Public Services</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that the proposed project is for the operation of the recharge project and would not introduce additional population into the area that would require an increase in these services. Therefore, it was concluded that no impacts would occur regarding these issue areas.<sup>29</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to public services; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>29</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pgs.69-70, May 2010.



Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
v) Other public facilities?					■	
<b>14a,v Public Services</b>  <p><b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant.</b> The 2010 MND concluded that the construction and operation of the proposed recharge project would create an additional demand in governmental oversight. However, these services would be considered minor and would not result in significant impacts to public facilities. Therefore, impacts to other public facilities were determined to be less than significant.<sup>30</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts associated with this issue area will occur due to implementation of the revised project</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to additional demand for governmental oversight; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less Than Significant.</b></p>						

<sup>30</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg.70, May 2010.

## 4.15 RECREATION

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?					■	
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?					■	
<p><b>15a-b Recreation</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that the project does not have the capacity to generate additional population; thereby, increasing the demand or overuse of park or other recreational facilities. No impacts regarding these issue areas would occur.<sup>31</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project</p> <p><b>2012 Analysis of the Revised Project Conditions: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related recreation; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>31</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg.71, May 2010.

## 4.16 TRANSPORTATION AND TRAFFIC

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths and mass transit?						■
<p><b>16a Transportation and Traffic</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Not Analyzed.</b> These issues were not included in the Environmental Review Checklist when the 2010 MND was prepared.</p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant With Mitigation Incorporated.</b> Operation of the recharge project will not generate increased impacts on the existing circulation system in that no employees are required to operate the facility. Periodic maintenance will be required but will not result in an overall increase in vehicle traffic already existing in the project area. However, during construction of the recharge project short-term impacts associated with traffic along the public rights-of-way will be temporarily impacted due to construction vehicles and temporary lane or road closures. Encroachment permits from San Bernardino County will be required as well as the following Mitigation Measure that was incorporated into the 2010 MND Section 3.16(a):</p> <p><b>TR1:</b> The Construction Contractor shall prepare a Traffic Management Plan to ensure that adequate emergency access and Level of Service consistent with the San Bernardino County Congestion Management Plan is maintained.<sup>32</sup></p> <p>Compliance with applicable County codes, ordinances and policies and incorporation of the proposed mitigation measures associated with this issue area, ensure that the impacts are less than significant.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to transportation and traffic; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less Than Significant With Mitigation Incorporated.</b></p>						

<sup>32</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pgs.72-73 May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
b. Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?						■
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?					■	
d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?					■	
<p><b>16b-d Transportation and Traffic</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that the proposed project would have no effect on level of service standards, air traffic patterns, creating a hazardous situation due to design features or the introduction of an incompatible use. Therefore, the MND concluded that no impacts would result due to these issue areas.<sup>33</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to conflicts with congestion management plans, air traffic patterns or hazardous road designs; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>33</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 73, May 2010.

	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<b>Would the project:</b>						
<b>e. Result in inadequate emergency access?</b>					■	
<p><b>16e Transportation and Traffic</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant With Mitigation Incorporated.</b> The 2010 MND concluded that project construction activities may temporarily impact traffic circulation within the project area but, compliance with all necessary permits and mitigation measure TR1 as incorporated in the 2010 MND section 3.16(a) would ensure that the emergency access is not affected. Therefore, impacts related to this issue area would be considered less than significant with mitigation incorporated.</p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less Than Significant With Mitigation Incorporated.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND. Therefore, with incorporated mitigation, less than significant impacts will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to emergency access; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant Impact with Mitigation Incorporated.</b></p>						
<b>f. Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?</b>						■
<p><b>16f Transportation and Traffic</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that the proposed project is a component of the water system improvement program in the BDVWA service area and would not conflict with any policies, plans or programs supporting alternative transportation. Therefore, no impact would occur.<sup>34</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with this issue area will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to any policies, plans or programs related to alternative transportation modes; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						

<sup>34</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 74, May 2010.

## 4.17 UTILITIES AND SERVICE SYSTEMS

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?					■	
<p><b>17a Utilities and Service Systems</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that the proposed project is comprised of several water infrastructure improvements components and would not result in any new wastewater generation which would require the increase of treatment capacity. The proposed project would result in an overall improvement to the existing water service infrastructure. Therefore, it was determined that no impact would occur in regards to the exceedence of wastewater treatment requirements as a result of project implementation.<sup>35</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with this issue area will occur due to implementation of the revised project</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect issues related to the exceedence of wastewater treatment requirements; therefore, impacts will remain the same as previously evaluated</p> <p><b>Impact Resulting from Construction of the Revised Project: No Impact.</b></p>						
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?					■	
c. Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?					■	

<sup>35</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 75, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<b>17b-c Utilities and Service Systems</b> <b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant.</b> The 2010 MND concluded that no new wastewater treatment facilities or expansion of existing facilities would be necessary due to project implementation. Construction of the recharge project would require minimal ground disturbance and would not result in a substantial increase in impervious surface eliminating the demand for new or expansion of existing stormwater drainage facilities. Therefore, it was determined that impacts associated with project implementation would be less than significant. <sup>36</sup>  <b>2011 Analysis of the 6-acre Recharge Project: Less than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts associated with this issue area will occur due to implementation of the revised project.  <b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect these issues areas; therefore, impacts will remain the same as previously evaluated.  <b>Impact Resulting from Construction of the Revised Project: Less than Significant Impact.</b>						
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?					■	
e. Result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?					■	
<b>17d-e Utilities and Service Systems</b> <b>2010 MND Analysis of 15-acre Recharge Project: No Impact.</b> The 2010 MND concluded that the recharge project would actually help raise the current groundwater table through storage activities. And would not create businesses or residences that would require an increased demand for wastewater treatment services. As a result, no additional or expanded water entitlements would be necessary to construct and operate the facilities or affect the wastewater treatment provider's ability to meet existing commitments and capacity. Therefore, it was determined that no impact would occur in terms of water supply and wastewater treatment capacity. <sup>37</sup>  <b>2011 Analysis of the 6-acre Recharge Project: No Impact.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, no impacts associated with these issue areas will occur due to implementation of the revised project.  <b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect these issues areas; therefore, impacts will remain the same as previously evaluated.  <b>Impact Resulting from Construction of the Revised Project: No Impact.</b>						

<sup>36</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 76, May 2010.

<sup>37</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pgs. 76-77, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?					■	
g. Comply with Federal, State, and local statutes and regulations related to solid waste?					■	
<p><b>17f-g Utilities and Service Systems</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant.</b> The 2010 MND concluded that the proposed project would result in a short-term increase in solid waste generation during construction of the proposed project. Disposal of the solid waste would be in accordance with applicable local, state, and federal requirements. As a result, the project would not significantly impact the demand for landfill capacity and would comply with all solid waste statutes and regulations. Therefore, less than significant impacts would occur.<sup>38</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant.</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous MND; therefore, less than significant impacts associated with these issue areas will occur due to implementation of the revised project.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant Impact.</b></p>						

<sup>38</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 77, May 2010.



## 4.18 MANDATORY FINDINGS OF SIGNIFICANCE

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
a. <b>POTENTIAL TO DEGRADE:</b> Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?					■	
<p><b>18a Mandatory Findings of Significance</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant With Mitigation Incorporated.</b> The 2010 MND concluded that the biological surveys conducted in 2008 and 2009 identified a location within the recharge project survey area that had the least potential biological impact. A 15-acre site was chosen in that it would avoid the habitat or plant community of sensitive or endangered species. With the incorporation of the mitigation measures referenced herein, the proposed project could be implemented in a manner that would minimize the environmental effects on biological resources.</p> <p>A field survey for archeological resources within the project area determined that there was little or no potential to encounter intact cultural deposits and no additional mitigation was required.<sup>39</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant with Mitigation Incorporated.</b> The proposed construction and operation of the revised recharge project is consistent with the project defined in the previously prepared MND. Therefore, no new impact is identified for this issue area.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect this issues area; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant Impact with Mitigation Incorporated.</b></p>						

<sup>39</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 79, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<b>b. CUMULATIVE IMPACTS:</b> Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)					■	
<p><b>18b Mandatory Findings of Significance</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less than Significant.</b> The previously adopted MND concluded that the project is consistent with the San Bernardino County General Plan, the Mojave Water Agency Regional Water Master Plan, the Bighorn-Desert View Water Agency Master Plan and Water Infrastructure Restoration Program. The recharge project would not increase capacity of the water system but would ensure continued reliability for existing and projected future users anticipated in the San Bernardino County General Plan. The project is described in the Mojave Water Agency Regional Water Master Plan, the Bighorn-Desert View Water Agency Master Plan and Water Infrastructure Restoration Program. Potential impacts of the project were analyzed on a programmatic level in the Mojave Water Agency Regional Water Master Plan Program EIR. Therefore, the 2010 MND concluded that the cumulative impact of the proposed project was not significant because the project would comply with these plans.<sup>40</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant.</b> The proposed construction and operation of the revised recharge project is consistent with the project defined in the previously prepared MND. Therefore, no new impact is identified for this issue area.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect this issues area; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant.</b></p>						
<b>c. ADVERSE IMPACTS ON HUMANS:</b> Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?					■	

<sup>40</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 80, May 2010.

Would the project:	Substantial Change in Project Requiring Major EIR Revisions	Substantial Change to Circumstance Requiring Major EIR Revisions	Information Showing Greater Significant Effects than Previous EIR	New Information Showing Ability to Reduce, but not Eliminate Significant Effects in Previous EIR	Previously Analyzed Impact: No Changes or New Information Requiring Preparation of and EIR	Unanalyzed Issue: No New Impact, No Changes or New Information Requiring Preparation of and EIR
<p><b>18c Mandatory Findings of Significance</b></p> <p><b>2010 MND Analysis of 15-acre Recharge Project: Less Than Significant With Mitigation Incorporated.</b> The previously adopted MND concluded that the two issue areas, air quality and geology and soil have the potential of creating substantial adverse effects on human beings either directly or indirectly. The air quality portion of the 2010 MND determined that emissions resulting from project construction would exceed regional criteria pollutant thresholds established by the MDAQMD for emissions of NO<sub>x</sub> if construction of the recharge project and pipeline installation are scheduled concurrently. Although current scheduling suggests that the two activities would not overlap, their overlap represents the worst case scenario. In response to this scenario mitigation measures were developed to avoid a potential impact. With incorporation of the air quality mitigation measures, the potential impact would be reduced to a less than significant level.</p> <p>In terms of geology and soils the 2010 MND concluded that the project area is considered a region of high seismic activity and earthquakes are common on many of the major active faults in the region. The project would comply with applicable requirements of the UBC and the CBC which would reduce the impact to below a level of significance. However, the recharge project is not designed for human occupancy. In addition, the project is located in Pipe Wash over 100 feet below adjacent development. A seismic event could result in a broken or dislocated connection pipeline or create a breach in the berm surrounding the Recharge Project; however, because of the small scale of the project and its location in the wash, neither disruption would create a significant adverse impact on humans.</p> <p>Therefore, the project would not have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly, following implementation of recommended mitigation measures.<sup>41</sup></p> <p><b>2011 Analysis of the 6-acre Recharge Project: Less than Significant with Mitigation Incorporated.</b> The proposed construction and operation of the revised recharge project is consistent with the project defined in the previously prepared MND and will not result in a significant adverse effect on human beings directly or indirectly. Therefore, no new impact is identified for this issue area.</p> <p><b>2012 Analysis of the Revised Project Conditions:</b> The location and design of the revised recharge project are consistent with the project analyzed in the previous Addendum. As proposed, the 2012 Addendum is for the incorporation of additional Mitigation Measures which will not result in a physical change to the proposed project and will in fact lessen impacts as they relate to certain issue areas impacted by the proposed project. The additional mitigation measures to be added do not affect this issues area; therefore, impacts will remain the same as previously evaluated.</p> <p><b>Impact Resulting from Construction of the Revised Project: Less than Significant Impact with Mitigation.</b></p>						

<sup>41</sup> Draft MND for Water Infrastructure Restoration Program Ames/Reche Groundwater Storage and Recovery Program; and Pipeline Installation Project, pg. 81, May 2010.