

CHAPTER 3 – ADMINISTRATION OF THE ENVIRONMENTAL COMMITMENT AND MONITORING PLAN AND IMPLEMENTATION SCHEDULE

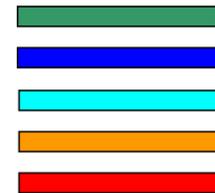
Reclamation will be responsible for the overall environmental commitment and monitoring program (program) with input and cooperation of federal and state agencies, tribes, Project beneficiaries and other interested parties. Reclamation will be responsible for the implementation of the program, integration and presentation of results, and modifications to the program where appropriate. Various disciplines from within Reclamation will be required to implement the program. During the implementation of the program Reclamation will coordinate with the federal and state agencies, Tribes, Project beneficiaries and other interested parties on actions being taken and to obtain input from the various entities.

A schedule for implementing the Project's Environmental Commitment and Monitoring Plan is presented in Figure 2. This schedule shows activities through 2011. Several of the monitoring activities will continue after 2011 and will be a part of Project operations. The figure denotes the anticipated timeline of key Project construction and operation milestones that will result in effects to environmental resources. Mitigation and monitoring activities are depicted relative to when Project-related effects will occur. All mitigation activities will be developed and implemented either prior to or concurrent with adverse impacts. In general, baseline monitoring activities have been developed and implemented before Project-related effects have or will occur. Project monitoring activities will occur concurrent with Project construction and operation. Mitigation monitoring will occur after implementation of specific mitigation measures.

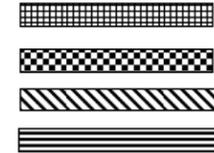
Attachment A contains a complete list of the environmental and monitoring commitments for the Project and the status of each commitment as of December 31, 2003. This list will be updated as new commitments are made or commitments modified. At the end of each calendar year the status of each commitment will be added to the list and the list will be transmitted to federal and state agencies, tribes, Project beneficiaries and other interested parties along with the yearly Wetland/Riparian Mitigation Summary Annual Report.

Task - Please refer to Section 5.4 of the FSEIS	2001 - Year 0				2002 - Year 1				2003 - Year 2				2004 - Year 3				2005 - Year 4				2006 - Year 5				2007 - Year 6				2008 - Year 7				2009 - Year 8				2010 - Year 9				2011 - Year 10			
	1st	2nd	3rd	4th																																								
13 - Hazardous Materials																																												
13-1 Ensure minimal disturbance of contaminated materials, ensure radiological monitoring with remedial procedures for potential human exposure, and for prevention of contaminated groundwater.																																												
13-2 Ensure all federal and state requirements are followed and are included in construction contract language.																																												
13-3 Require that construction specifications prohibit contractors from disturbing the disposal cell and appropriate signage is use to make the public aware.																																												
13-4 Confer with DOE concerning operational scheme and parameters as well as reactivating sampling and monitoring of wells DH 228 and DH-229.																																												
13-5 Ensure preconstruction surveys are conducted for non-binding end use facilities and that HAZ MAT standards are adhered to.**																																												
13-6 Implement environmental measures for the 10-inch diameter MAPCO petroleum products pipeline.																																												
14 - Transportation																																												
14-1 Conduct transportation surveys and reduce traffic-related impacts prior to dam construction.																																												
14-2 Maintain CR 211 to avoid noticeable degradation.																																												
14-3 Require developers of recreational facilities to conduct traffic engineering impacts analysis studies and mitigate according to state and county standards.**																																												
15 - Air Quality																																												
15-1 Require that construction contractors, including third-party developers, implement measures to control fugitive dust and exhaust emissions during construction.																																												
15-2 Third party developers of non-binding end uses will be required to meet standards to control fugitive dust and other emissions.**																																												
16 - Noise																																												
16-1. Require the DPP construction contractor to restrict operation of heavy equipment during nighttime hours.																																												
16-2 Ensure that construction contractors provide blasting notification to residents, sound pre-blast alarms and follow safety plan.																																												
16-3 Construction and Operation of DPP will be carried out to reduce noise impacts with sound insulation and vegetation screening. Ridges Basin will provide for noise control, particularly relating to golden eagle nesting.																																												
16-4 Ensure that construction contractors schedule construction activities to minimize loud activities in the vicinity of golden eagle nesting and nesting areas will be "off limits" to construction forces or visitors.																																												
16-5 Require that developers of recreation facilities at RBR to incorporate requirements to prohibit loud forms of watercraft and include signs to advise people of eagle nesting sensitivity.**																																												
16-6 Contractors associated with development of non-binding end uses will implement methods to minimize noise during construction and operation.**																																												

- Development of a plan or development of information for construction specifications
- Study of investigation taking place.
- Land acquisition
- Work being completed to collect background information.
- Implementation of the required action.

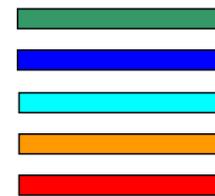


- Information necessary for construction specification.
- A decision needs to be made.
- Required coordination with other agencies/entities.
- Task accomplished through project operations.



Task - Please refer to Section 5.4 of the FSEIS	2001 - Year 0				2002 - Year 1				2003 - Year 2				2004 - Year 3				2005 - Year 4				2006 - Year 5				2007 - Year 6				2008 - Year 7				2009 - Year 8				2010 - Year 9				2011 - Year 10			
	1st	2nd	3rd	4th																																								
17 - Public Health and Safety																																												
17-1 Ensure that public access to structural component construction areas are controlled by signage and fencing.																																												
17-2 Ensure contractors configure haul routes and access roads to discourage public entry, including signs against entry.																																												
17-3 Ensure coordination with all affected gas companies prior to construction crossing of gas pipelines which will be located and appropriately marked in the field.																																												
17-4 Ensure that public access to end use and delivery system construction areas is controlled by signage and fencing and construction area.**																																												
17-5 Investigate the potential of gas release due to man-made intrusions, prior to construction and will monitor excavations for coal bed methane gas.																																												
17-6 Control public access to operation areas that could pose a threat to public safety.																																												
17-7 Ensure that recreation area planning, final design and reservoir access are developed to promote safety and use of accident management techniques.**																																												
18 - Public Services and Utilities																																												
18-1 Ensure that construction contractors secure and patrol work sites coordinate with city or county law enforcement agencies.																																												
18-2 Ensure that contractors mark the location of existing utilities and develop a notification system for coordination with affected utilities.																																												
19 - Visual resources																																												
19-1 Ensure that design of the D.P.P. blends in with the natural landform and adequately vegetated after construction.																																												
19-2 Ensure that the design of structural facilities incorporates non-intrusive design elements, and restoration of disturbed areas are conducted.																																												
19-3 Implement measures to revegetate areas disturbed by the gas pipelines relocation																																												
20 - Indian Trust Assets and Environmental Justice																																												
20-1 Support the modification of the Settlement Agreement, through legislated amendments to the Settlement Act, recognizing new limits placed on water use amount provided to the Colo. Ute Tribes, and establishment of the water acquisition fund. Completed.																																												
20-2 Pursue the development of operation plans for RBR and Navajo Reservoir that will optimize the amount of water necessary to meet the flow recommendations to allow for additional depletions and developable water available for other Indian tribes' present and future																																												
20-3 Facilitate discussions between the Native American Indian Tribes and other parties with interests in the San Juan river Basin to develop options for obtaining adequate water for the Navajo Nation and the Jicarilla Apache Nation.																																												
20-4 Active participation in the SJRBRIP to promote dual goals of recovery of endangered species and water development in the basin.																																												
20-4.1 Provide a comprehensive hydrology model to allow realistic, supportable projections of future water uses within the basin.																																												
20-4.2 Optimize the operating rules for Navajo Dam to help achieve the flow recommendations necessary for endangered species recovery.																																												

Development of a plan or development of information for construction specifications
Study of investigation taking place.
Land acquisition
Work being completed to collect background information.
Implementation of the required action.



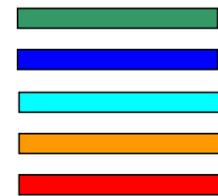
Information necessary for construction specification.
A decision needs to be made.
Required coordination with other agencies/entities.
Task accomplished through project operations.



Task - Please refer to Section 5.4 of the FSEIS	2001 - Year 0				2002 - Year 1				2003 - Year 2				2004 - Year 3				2005 - Year 4				2006 - Year 5				2007 - Year 6				2008 - Year 7				2009 - Year 8				2010 - Year 9				2011 - Year 10			
	1st	2nd	3rd	4th																																								
20-4.3 Implement an adaptive management program associated with the operation of Navajo Reservoir to evaluate biologic responses to a more natural hydrograph.																																												
20-5 Operate the DPP to limit pumping during dry years, allowing more water to be available in Navajo Reservoir to meet projected demands.																																												
20-6 Work with Native American Tribes in the San Juan River Basin to develop options for proceeding with development and restoration of Indian Projects and insure that Tribes do not bear a disproportionate burden for the conservation of listed species under the ESA.																																												
20-7 Will work with the Native American Indian Tribes to facilitate their ability to independently utilize the SJRBRIP Hydrology model.																																												
20-8 Reclamation will initiate an independent review of the hydrologic model to ensure its accuracy and value as a tool.																																												
20-9 Reclamation will work with the Jicarilla Apache Tribe to facilitate their ability to independently utilize the SJRBRIP Hydrology Model.																																												
20-10 Navajo-Gallup - Investigate alternatives for diverting water below confluence of Animas River and reducing Project demands and ascertain Navajo N.'s willingness to utilizing someof NIIP's allocation.																																												
20-11 Reclamation will consult with the Native American Indian Tribes on the implementation of the above mitigation measures and will commence such consultation early in the implementation process.																																												
20-12 The NNMP corridor would be routed to minimize and, to the maximum extent possible, prevent disturbance or relocation of residences.																																												
20-13 Non-binding Scenarios and relocation of the natural gas pipeline No construction will occur on Tribal without approval of the appropriate Indian tribe. Impacts will be mitigated.**																																												

**It is not known when the development of the non-binding end uses will occur.

- Development of a plan or development of information for construction specifications
- Study of investigation taking place.
- Land acquisition
- Work being completed to collect background information.
- Implementation of the required action.



- Information necessary for construction specification.
- A decision needs to be made.
- Required coordination with other agencies/entities.
- Task accomplished through project operations.

