

1 **BEFORE THE ARIZONA POWER PLANT**  
2 **AND TRANSMISSION LINE SITING COMMITTEE**

3 In the matter of the Application of Salt )  
4 River Project Agricultural Improvement and )  
5 Power District in conformance with the )  
6 requirements of Arizona Revised Statutes ) Case No. 105  
7 Sections 40-360-03 and 40-360.06, for a ) Docket No. L-00000B-00-0105-00000  
8 Certificate of Environmental Compatibility )  
9 authorizing the Expansion of its Santan )  
10 Generating Station, located at the intersection ) Decision No. \_\_\_\_\_  
11 of Warner Road and Val Vista Drive, )  
12 in Gilbert, Arizona, by adding 825 megawatts )  
13 of new capacity in the form of three combined )  
14 cycle natural gas units, and associated )  
15 intraplant transmission lines. )  
16 \_\_\_\_\_ )

17 **CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

18 Pursuant to notice given as provided by law, the Arizona Power Plant and  
19 Transmission Line Siting Committee (the "Committee") held public hearings at the  
20 Dobson Ranch Inn, 1644 South Dobson Road, Mesa, Arizona, on September 14, 2000,  
21 and various days following, in conformance with the requirements of Arizona Revised  
22 Statutes section 40-360 *et seq.*, for the purpose of receiving evidence and deliberating  
23 on the Application of Salt River Project Agricultural Improvement and Power District  
24 ("Applicant") for a Certificate of Environmental Compatibility in the above-captioned  
25 case (the "Application").

The following members or designees of members of the Committee were present  
for the hearing on the Application:

Paul A. Bullis Chairman, Designee for Arizona Attorney General Janet Napolitano

Steve Olea Designee of Chairman of the Arizona Corporation Commission

1	Richard Tobin	Designee for the Arizona Department of Environmental Quality
2		
3	Dennis Sundie	Designee for the Director of the Department of Water Resources
4		
5	Mark McWhirter	Designee for the Director of the Energy Office of the Arizona Department of Commerce
6		
7	George Campbell	Appointed Member
8	Jeff Mcguire	Appointed Member
9	A. Wayne Smith	Appointed Member
10	Sandie Smith	Appointed Member
11	Mike Whalen	Appointed Member

11 The Applicant was represented by Kenneth C. Sundlof, Jr., Jennings, Strouss &  
12 Salmon PLC. There were seventeen intervenors: Arizona Utilities Investor Association,  
13 by Ray Heyman; Arizona Corporation Commission Staff, by Janice Alward; Arizona  
14 Center for Law in the Public Interest, by Timothy Hogan, Mark Kwiat, Elisa Warner,  
15 David Lundgreen, Cathy LaTona, Sarretta Parrault, Mark Sequeira, Cathy Lopez,  
16 Michael Apergis, Marshal Green, Charlie Henson, Jennifer Duffany, Christopher  
17 Labban, Bruce Jones and Dale Borger. There were a number of limited appearances.

18 The Arizona Corporation Commission has considered the grant by the Power  
19 Plant and Line Siting Committee of a Certificate of Environmental Compatibility to SRP  
20 and finds that the provisions of A.R.S. §40-360.06 have complied with, and, in addition,  
21 that documentary evidence was presented regarding the need for the Santan Expansion  
22 Project. Credible testimony was presented concerning the local generation deficiency in  
23 Arizona and the need to locate additional generation within the East Valley in order to  
24 minimize transmission constraints and ensure reliability of the transmission grid. The  
25 evidence included a study that assessed the needs of the East Valley. The analysis

1 found that the East Valley peak load currently exceeds the East Valley import capability  
2 and within the next 5 years the East Valley load will exceed the load serving capability.

3 Additional testimony was presented regarding SRP's projected annual 3.7% load  
4 growth in its service territory. By 2008, SRP will need approximately 2700 MW to meet  
5 its load. This local generation plant will have power available during peak periods for  
6 use by SRP customers.

7 At the conclusion of the hearing and deliberations, the Committee, having  
8 received and considered the Application, the appearance of Applicant and all  
9 intervenors, the evidence, testimony and exhibits presented by Applicant and all  
10 intervenors, the comments made by persons making limited appearances and the  
11 comments of the public, and being advised of the legal requirements of Arizona Revised  
12 Statutes Sections 40-360 to 40-360.13, upon motion duly made and seconded, voted to  
13 grant Applicant the following Certificate of Environmental Compatibility (Case No. L-  
14 00000B-00-0105):

15 Applicant and its assignees are granted a Certificate of Environmental  
16 Compatibility authorizing the construction of an 825 megawatt generating facility  
17 consisting of three combined cycle units with a total net output of 825 megawatts  
18 together with related infrastructure and appurtenances, in the Town of Gilbert, on  
19 Applicant's existing Santan Generating Station site, and related switchyard and  
20 transmission connections, as more specifically described in the Application (collectively,  
21 the "Project"). Applicant is granted flexibility to construct the units in phases, with  
22 different steam turbine configurations, and with different transmission connection  
23 configurations, so long as the construction meets the general parameters set forth in the  
24 application.  
25

1 This certificate is granted upon the following conditions:

- 2 1. Applicant shall comply with all existing applicable air and water pollution  
3 control standards and regulations, and with all existing applicable  
4 ordinances, master plans and regulations of the State of Arizona, the  
5 Town of Gilbert, the County of Maricopa, the United States, and any other  
6 governmental entities having jurisdiction.

7 ***Status ~ Maricopa County was delegated authority by EPA to issue and  
8 administer air quality permits consistent with federal regulations.  
9 Maricopa County has a unified permitting program, which allows the  
10 County to issue a single permit for pre-construction approval of new  
11 sources and ongoing operating requirements. SRP received a permit  
12 from Maricopa County in 2002 that included a requirement to obtain  
13 emission offsets for PM10 and Volatile Organic Compounds (VOCs).  
14 The PM10 offset requirement included a stipulation that SRP would  
15 comply with a future Maricopa County rule on PM10 emission offsets  
16 from road paving prior to operating the plant. Under an agreement with  
17 Maricopa County Department of Transportation, SRP paid for the  
18 pavement of dirt roads well in advance of the new units becoming  
19 operational. Because Maricopa County Environmental Services  
20 Department had not yet initiated any action on a PM10 offset  
21 rulemaking, SRP applied for and received a minor permit revision from  
22 Maricopa County in December 2003 that allowed SRP to pave roads to  
23 secure sufficient PM10 offsets consistent with current protocols and  
24 then demonstrate compliance with a new County road paving offset rule  
25 within months of the rule becoming final.***

***While SRP has constructed and operated the plant in compliance with  
all substantive requirements of its air quality permit with Maricopa  
County, EPA issued a Notice of Violation (NOV) alleging that the  
issuance of the permit to SRP by Maricopa County was invalid on  
procedural grounds relating to the County's inability to issue SRP a  
minor permit revision for offsets and the lack of County rule-making on  
offsets. SRP elected to resolve this issue with EPA pursuant to a  
Consent Agreement and Final Order (CAFO) dated September 27, 2007,  
because it believed the fundamental dispute was between EPA and  
Maricopa County, and not with SRP. SRP did not admit to the specific  
allegations made by EPA.***

***Pursuant to the CAFO, SRP paid a civil administrative penalty of  
\$12,500 and will perform a Supplemental Environmental Project  
consisting of the paving of a previously unpaved road at a cost of at  
least \$37,500. EPA is now processing the new County rule for offsets.  
Under the new County PM10 offset rule, SRP will not be required to  
obtain additional PM10 offsets for Santan to conform to the new rule.***

***On April 6, 2007, SRP provided Maricopa County Air Quality Department  
(MCAQD) with an excess emission notification pertaining to excess  
volatile organic compounds (VOC) emissions that were emitted from***

1 **Unit 6A at the Santan Generating Station (SGS). SRP stated in that**  
2 **notification that the excess VOC emissions likely resulted from a**  
3 **malfunction of one or more of the fuel nozzles in Unit 6A. On August**  
4 **17, 2007, MCAQD issued to SRP an NOV asserting that SGS Unit S-6A**  
5 **failed to comply with the VOC emission rates and concentration limits**  
6 **during a scheduled performance test.**

7 **Maricopa County Rule 140, Section 401, states that excess emissions**  
8 **due to a malfunction are considered to be a violation. The rule further**  
9 **states, however, that a source has an affirmative defense to a civil or**  
10 **administrative enforcement proceeding based on such a violation if the**  
11 **source can demonstrate that several conditions were met. SRP**  
12 **believes that it met each of the conditions for the affirmative defense to**  
13 **the NOV because the excess emissions were the result of an**  
14 **unavoidable equipment breakdown, SRP acted expeditiously to repair**  
15 **the equipment, and SRP took all reasonable steps to minimize the**  
16 **impact of the excess emissions on ambient air quality, in addition to**  
17 **other factors. SRP provided the County a letter explaining the**  
18 **unavoidable nature of the event and the steps that SRP took to**  
19 **minimize any impact from the equipment malfunction. The County is**  
20 **evaluating SRP's letter setting out its affirmative defense along with the**  
21 **NOV to determine whether to propose any penalty.**

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- 24
- 25
2. This authorization to construct the Project will expire five (5) years from the date the Certificate is approved by the Arizona Corporation Commission unless construction of the Project is completed to the point that the project is capable of operating at its rated capacity; provided, however, that Applicant shall have the right to apply to the Arizona Corporation Commission for an extension of this time limitation.

**Status ~ Unit 6 was declared in commercial operation on March 1, 2006. Unit 5 (the 2-on-1 units) began commercial operation on April 1, 2005. With the completion of Unit 6, the Santan Expansion Project is complete. SRP constructed the Project within the five year timeframe and has satisfied this condition of the CEC.**

3. Applicant's project has two (2) approved transmission lines emanating from its power plant's transmission switchyard and interconnecting with the existing transmission system. This plant interconnection must satisfy the single contingency criteria (N-1) without reliance on remedial action such as a generator unit tripping or load shedding.

**Status ~ SRP has completed the activity required by this condition.**

4. Applicant shall use reasonable efforts to remain a member of WSCC, or its successor, and shall file a copy of its WSCC Reliability Criteria Agreement or Reliability Management System (RMS) Generator Agreement with the Commission.

1                    **Status ~ SRP is a member of the WECC, the successor to the WSCC,**  
2                    **and plans to continue its membership with the WECC.**

- 3                    5. Applicant shall use reasonable efforts to remain a member of the  
4                    Southwest Reserve Sharing Group, or its successor.

5                    **Status ~ SRP is a member of the Southwest Reserve Sharing Group and**  
6                    **plans to continue its membership.**

- 7                    6. Applicant shall meet all applicable requirements for groundwater set forth  
8                    in the Third Management Plan for the Phoenix Active Management Area.

9                    **Status ~ SRP has complied with all requirements for groundwater, as**  
10                    **set forth in the Third Management Plan for the Phoenix Active**  
11                    **Management Area.**

- 12                    7. With respect to landscaping and screening measures, including the  
13                    improvements listed in the IGA, Applicant agrees to develop and  
14                    implement a public process consistent with the process chart (Exhibit 89)  
15                    presented during the hearings, modifying the dates in the IGA with the  
16                    Town of Gilbert, if necessary, to correspond with the schedule in Exhibit  
17                    89.

18                    The new Community Working Group (CWG) will consist of 12 members,  
19                    selected as follows: one member selected by the Town of Gilbert, four  
20                    members selected by neighborhood homeowner associations, four  
21                    representatives selected by intervenors, and three members selected by  
22                    SRP (not part of the aforementioned groups) who were part of the original  
23                    community working group. Applicant and landscaping consultants shall  
24                    act as advisors to the CWG. CWG meetings shall be noticed to and be  
25                    open to the general public. The initial meeting shall take place on an  
                     evening or weekend in the Town of Gilbert.

                     The objective of the CWG shall be to refine the landscaping and mitigation  
                     concept plans submitted during these hearings (Exhibit 88). The CWG shall  
                     work to achieve appropriate visual mitigation of plant facilities and to  
                     facilitate the design and installation of the concept plan components so as to  
                     maximize the positive impact on the community and to increase, wherever  
                     possible, the values of the homes in the neighboring areas. The refinement  
                     of the mitigation plans shall be reasonably consistent with the planning  
                     criteria of the Town of Gilbert, the desires of neighboring homeowner  
                     associations, and the reasonable needs of Applicant.

                     Applicant shall retain an independent facilitator, acceptable to the CWG, to  
                     conduct the CWG meetings. It shall be the role of the facilitator to assist in  
                     initial education and in conducting an orderly and productive process. The  
                     facilitator may, if necessary, employ dispute resolution mechanisms.

1 The CWG shall also assist in establishing reasonable maintenance  
2 schedules for landscaping of Applicant's plant site in public-view areas.

3 Applicant will develop with the Town of Gilbert a continuous fund, to be  
4 administered by the Town of Gilbert, to provide for the construction and  
5 maintenance of off-site landscaping in the areas depicted in the off-site  
6 landscaping concepts as developed by the CWG in an amount sufficient to  
7 fund the concepts in Exhibit 88 or concepts developed by the CWG,  
8 whichever is greater.

9 **Status ~**

10 **Onsite Landscaping Program ~**

11 ***SRP has now completed all of the landscaping at the site. A new gate in  
12 the northeast corner of the site was installed in September 2007.***

13 ***The "Trails Area" (equestrian and bike trail) to the east of the power  
14 plant is complete. SRP transferred ownership of the Trails Area to the  
15 Town of Gilbert on September 13, 2005.***

16 **Home Owners' Association (HOA) Offsite Landscaping Program ~**

17 ***SRP has completed the initial funding for this program, providing a one-  
18 time payment to eighteen (18) HOAs in the area for use in providing  
19 additional landscaping to help mitigate views of the power plant.***

20 ***Under the program, SRP committed to making future annual payments  
21 of \$49,884 to the HOAs for offsite landscaping maintenance for a period  
22 of twenty (20) years, beginning in September 2004. In August 2007 SRP  
23 submitted a check for its fourth annual maintenance payment of \$49,884  
24 to the Town of Gilbert for disbursement to the 18 HOAs. A copy of the  
25 cover letter sent to the Town of Gilbert is included in Appendix A.***

**Individual County Landscaping Program ~**

***SRP has completed this program.***

8. The visual mitigation efforts shall be in general compliance with the plans and concepts presented in these proceedings and constitute a commitment level by Applicant. Applicant will not reduce the overall level of mitigation as set forth in its Application and this proceeding, except as may be reasonably changed during the CWG process. The Town of Gilbert shall approve the plans agreed to by the CWG.

***Status ~ SRP has satisfied the visual mitigation requirements as initially set forth in the Application and the proceeding and further refined and expanded during the CWG process. SRP's mitigation efforts also include the items specified in the SRP/Town of Gilbert Intergovernmental Agreement.***

9. Applicant shall, where reasonable to do so, plant on site trees by the fall of

1 2001. Because planting of trees must await the improvement of Warner  
2 Road and the design and construction of berms, this condition will largely  
3 apply to trees on the East side of the site, and some of the trees on the  
4 North side. All landscaping will be installed prior to the installation of major  
5 plant equipment such as, but not limited to, exhaust stacks, combustion  
6 turbines, and heat recovery steam generators, except where delays are  
7 reasonably necessary to facilitate construction activities.

8 ***Status ~ As noted in condition 7, all of the landscaping work at the site  
9 has been completed.***

- 10 10. Applicant shall operate the Project so that during normal operations the  
11 Project shall not exceed the most restrictive of applicable (i) HUD residential  
12 noise guidelines, (ii) EPA residential noise guidelines, or (iii) applicable City  
13 of Tempe standards. Additionally, construction and operation of the facility  
14 shall comply with OSHA worker safety noise standards. Applicant agrees  
15 that it will use its best efforts to avoid during nighttime hours construction  
16 activities that generate significant noise. Additionally, Applicant agrees to  
17 comply with the standards set forth in the Gilbert Construction Noise  
18 Ordinance, Ordinance No. 1245, during construction of the project. In no  
19 case shall the operational noise level be more than 3 db above background  
20 noise as of the noise study prepared for this application. The Applicant shall  
21 also, to the extent reasonably practicable, refrain from venting between the  
22 hours of 10:00 p.m. and 7:00 a.m.

23 ***Status ~ SRP remains in compliance with all applicable noise guidelines  
24 and standards. Throughout construction of the project, SRP took noise  
25 readings at various locations along the plant boundary three times per  
week to ensure compliance with noise guidelines and standards. SRP  
also conducted additional noise testing during nighttime construction  
activities, such as concrete pours.***

***Since Unit 5 began commercial operation on April 1, 2005, plant  
personnel are conducting additional off-site noise testing at the sites  
designated by the Santan Neighborhood Committee (SNC) on the north,  
east and south sides of the plant boundaries. The SNC committee is  
responsible for establishing the locations, timing and frequency of the  
off-site noise tests. For more information on the SNC, please refer to  
condition 19.***

- 26 11. Applicant will work with the Gilbert Unified School District to assist it in  
27 converting as many as possible of its school bus fleet to green diesel or  
28 other alternative fuel, as may be feasible and determined by Gilbert Unified  
29 School District, and will contribute a minimum of \$330,000 to this effort.

30 ***Status ~ SRP has completed the activity required by this condition.***

- 31 12. Applicant shall actively work with all interested Valley cities, including at a



1 minimum, Tempe, Mesa, Chandler, Queen Creek and Gilbert, to fund a  
2 Major Investment Study through the Regional Public Transit Authority to  
3 develop concepts and plans for commuter rail systems to serve the growing  
4 population of the East Valley. Applicant will contribute a maximum of  
5 \$400,000 to this effort.

6 ***Status ~ Phase 2 of the Gilbert Transportation Study (the Gilbert Bicycle  
7 & Pedestrian Plan) is complete. The Gilbert Transportation Study was  
8 developed to integrate with the Maricopa Association of Government's  
9 (MAG) Transit Study. The final Plan and Development Guidelines were  
10 submitted and accepted by the Town of Gilbert.***

11 ***Phase 3 of the Plan is to implement portions of the study by building  
12 bridges over key canal modal points for connectivity. The consulting  
13 firm of NFra was selected to design the bridges on behalf of the Town of  
14 Gilbert. The bridge design is in its final stages with proper clearances  
15 identified for maintenance purposes. Final award for bridge  
16 construction is expected by year end 2007.***

- 17 13. Within six months of approval of this Order by the Arizona Corporation  
18 Commission, Applicant shall either relocate the gas metering facilities to the  
19 interior of the plant site or construct a solid wall between the gas metering  
20 facilities at the plant site and Warner Road. The wall shall be of such  
21 strength and size as to deflect vehicular traffic (including a fully loaded  
22 concrete truck) that may veer from Warner Road to the gas-metering site.

23 ***Status ~ SRP has completed the activity required by this condition.***

- 24 14. Applicant will use only SRP surface water, CAP water or effluent water for  
25 cooling and power plant purposes. The water use for the plant will be  
consistent with the water plan submitted in this proceeding and acceptable  
to the Department of Water Resources. Applicant will work with the Town of  
Gilbert to attempt to use available effluent water, where reasonably feasible.

***Status ~ Through August 2007, SRP has delivered a total of 106,145  
acre feet of CAP water to GRUSP. In addition, SRP has delivered 12,299  
acre feet of CAP water to the New River - Agua Fria Underground  
Storage Project (NAUSP). Total CAP water delivered for storage is  
118,444 acre feet. CAP water is stored for future use via recovery from  
any SRP owned wells (Association or District) and delivered to SEP  
from the Eastern Canal (or onsite District wells). SRP will continue to  
store CAP water in GRUSP and NAUSP through 2011 for recovery and  
use. To meet ongoing operational water demands, SEP continues to  
use SRP surface water and CAP water (both directly and via recovery of  
storage credits from SRP owned wells).***

15. Applicant agrees to comply with all applicable federal, state and local  
regulations relative to storage and transportation of chemicals used at the  
plant.

1  
2 ***Status ~ SRP is in compliance with all applicable federal, state and local***  
3 ***regulations relative to storage and transportation of chemicals used at***  
4 ***the plant.***

- 5 16. Applicant agrees to maintain on file with the Town of Gilbert safety and  
6 emergency plans relative to emergency conditions that may arise at the  
7 plant site. On at least an annual basis Applicant shall review and update, if  
8 necessary, the emergency plans. Copies of these plans will be made  
9 available to the public and on Applicant's web site. Additionally Applicant  
10 will cooperate with the Town of Gilbert to develop an emergency notification  
11 plan and to provide information to community residents relative to potential  
12 emergency situations arising from the plant or related facilities. Applicant  
13 agrees to work with the Gilbert police and fire departments to jointly develop  
14 on site and off-site evacuation plans, as may be reasonably appropriate.  
15 This cooperative work and plan shall be completed prior to operation of the  
16 plant expansion.

17 ***Status ~ SRP is in compliance with all safety standards including***  
18 ***secondary containment for bulk materials (chemicals) and development***  
19 ***of evacuation procedures for plant personnel. The plant's Emergency***  
20 ***Response/Contingency Plan is available on the Santan website.***  
21 ***Additionally, a detailed copy of the Emergency Response plan is available***  
22 ***at the Town of Gilbert Fire Department as well as with the State***  
23 ***Emergency Response Commission (SERC) and the Maricopa County***  
24 ***Local Emergency Planning Committee (LEPC).***

- 25 17. In obtaining air offsets required by EPA and Maricopa County, Applicant will  
use its best efforts to obtain these offsets as close as practicable to the plant  
site.

***Status ~ SRP acquired emission reduction credits from the Phoenician***  
***and Oak Canyon Manufacturing sufficient to satisfy the 72 ton VOC***  
***offset requirement contained in the Santan air quality permit. In***  
***addition, SRP, in cooperation with the Maricopa County Department of***  
***Transportation (MCDOT), has obtained sufficient PM10 offsets for Units***  
***5 and 6 by paving roads in the east valley, starting with roads closest to***  
***the plant site.***

***All required offsets have been met for the Santan Expansion Project.***

18. In order to reduce the possibility of generation shortages and the attendant  
price volatility that California is now experiencing, SRP will operate the  
facilities consistent with its obligation to serve its retail load and to maintain a  
reliable transmission system within Arizona.

***Status ~ SRP's first priority in operating its generating stations,***  
***transmission system and distribution system is to safely supply a***  
***reliable, low cost source of power to its retail customers. The Santan***

1                    ***Expansion Project will be operated in the same manner as current***  
2                    ***resources and is a significant element in SRP's plans to avoid the kind***  
3                    ***of price volatility that accompanied the California crisis.***

- 4                    19.    Beginning upon operation of the new units, Applicant will establish a citizens'  
5                    committee, elected by the CWG, to monitor air and noise compliance and  
6                    water quality reporting. Applicant will establish on-site air and noise  
7                    monitoring facilities to facilitate the process. Additionally Applicant shall  
8                    work with Maricopa County and the Arizona Department of Environmental  
9                    Quality to enhance monitoring in the vicinity of the plant site in a manner  
10                    acceptable to Maricopa County and the Arizona Department of  
11                    Environmental Quality. Results of air monitoring will be made reasonably  
12                    available to the public and to the citizens' committee. Applicant shall provide  
13                    on and off-site noise monitoring services (at least on a quarterly basis),  
14                    testing those locations suggested by the citizens' committee. The off-site air  
15                    monitoring plan shall be funded by the Applicant and be implemented before  
16                    operation of the plant expansion.

17                    ***Status ~ The Santan Neighborhood Committee (SNC) held a meeting on***  
18                    ***September 12, 2007. Three of the six representatives of the***  
19                    ***surrounding neighborhoods were present. Santan personnel provided***  
20                    ***additional monthly data on emissions, water discharges, and off-site***  
21                    ***noise readings taken since the last meeting. A set of by-laws was***  
22                    ***adopted by the SNC. SRP personnel reported that it has completed its***  
23                    ***review of the data collected at the SRP Ambient Air Monitoring Station***  
24                    ***over the past four years. SRP is preparing a final report on the impact***  
25                    ***of SEP on ambient conditions and that report should be available at the***  
                     ***next meeting of the SNC. At that time, SRP will seek agreement that the***  
                     ***Ambient Air Monitoring Station is no longer needed and can be***  
                     ***removed and used for other purposes. The next SNC meeting is***  
                     ***scheduled for February 20, 2008.***

20.    Applicant will explore, and deploy where reasonably practicable, the use of  
                     available technologies to reduce the size of the steam plumes from the unit  
                     cooling towers. This will be a continuing obligation throughout the life of the  
                     plant.

***Status ~ SRP explored the option of reduced plume cooling towers via***  
                     ***the specification and bidding process for this equipment but found the***  
                     ***limited availability, prohibitive cost and additional height requirements***  
                     ***of the plume abatement technology to supersede the potential benefits***  
                     ***at this time. SRP continues to monitor cooling tower technology and***  
                     ***has found no proven methods that would be feasible for use at SEP.***  
                     ***However, SRP is funding a research project with ASU to determine the***  
                     ***feasibility of a new method to reduce the plume in cooling towers. If***  
                     ***this project is successful and if the results can be applied to the type of***  
                     ***cooling towers at SEP, SRP will consider this new technology for***  
                     ***inclusion at SEP. This project is in the beginning stages and if***

1                    **successful, it would be a number of years before it could be**  
2                    **implemented at SEP.**

- 3                    21.      SRP will, where practicable, work with El Paso Natural Gas Company to use  
4                    the railroad easements for the installation of the new El Paso gas line.

5                    **Status ~ SRP completed the sale of the SEP gas pipeline to El Paso**  
6                    **Natural Gas Company and Transwestern Pipeline Company.**

- 7                    22.      Other than the Santan/RS 18 lines currently under construction, Applicant  
8                    shall not construct additional Extra High Voltage transmission lines (115kV  
9                    and above) into or out of the Santan site, including the substation on the site.

10                   **Status ~ SRP will not construct additional Extra High Voltage**  
11                   **transmission lines (no new circuits 115kV and above) into or out of the**  
12                   **Santan site or substation on the site. However, some of the existing**  
13                   **circuits may be bundled in the future.**

- 14                   23.      Applicant will replace all Town of Gilbert existing street sweepers with  
15                   certified PM10 efficient equipment. A PM10 efficient street sweeper is a  
16                   street sweeper that has been certified by the South Coast Air Quality  
17                   Management District (California) to comply with the District's performance  
18                   standards under its Rule 1186 (which is the standard referenced by the  
19                   Maricopa Association of Governments).

20                   **Status ~ SRP has completed the activity required by this condition.**

- 21                   24.      Applicant shall work in a cooperative effort with the Office of Environmental  
22                   Health of the Arizona Department of Health Services to enhance its  
23                   environmental efforts.

24                   **Status ~ A representative of the Arizona Department of Health Services**  
25                   **serves on the Santan Neighborhood Committee. The representative's**  
26                   **role is to provide technical assistance and expertise to the citizens**  
27                   **committee mentioned in condition 19. Such assistance will cover air,**  
28                   **noise, and water quality issues.**

- 29                   25.      Applicant shall operate, improve and maintain the plant consistent with  
30                   applicable environmental regulations and requirements of the Environmental  
31                   Protection Agency, the Arizona Department of Environmental Quality,  
32                   Maricopa County and the Town of Gilbert.

33                   **Status ~ SRP has an environmental management system (EMS)**  
34                   **designed to assure compliance with applicable laws and regulations.**  
35                   **The Santan Generating Station is integrated in the SRP EMS.**  
36                   **Procedures and Environmental Information Management Systems**  
37                   **(EIMS) have been modified to incorporate the new requirements**  
38                   **associated with the Santan Expansion Project. Plant personnel**  
39                   **responsible for meeting environmental compliance have received**

1                    **training on the new requirements. SRP continues to implement its EMS**  
2                    **to ensure continued compliance with all applicable environmental**  
3                    **regulations and requirements.**

3                    **For additional information on SRP's efforts to comply with federal,**  
4                    **state, county and city environmental regulations, please refer to**  
5                    **condition 1.**

- 5                    26. Applicant shall actively work in good faith with Maricopa County in its efforts  
6                    to establish appropriate standards relative to the use of distillate fuels in  
7                    Valley generating facilities.

7                                       **Status ~ SRP has completed the activity required by this condition.**

- 8                    27. Applicant shall install continuous emission monitoring equipment on the new  
9                    units and will make available on its website emissions data from both the  
10                    existing and new units according to EPA standards. Applicant shall provide  
11                    information to the public on its website in order to assist the public in  
12                    interpreting the data, and provide viable information in a reasonable time  
13                    frame.

12                                       **Status ~ SRP has installed continuous emission monitoring equipment**  
13                    **on the new units. Information on the continuous emission monitoring**  
14                    **equipment and the emissions data is available on the website for the**  
15                    **SEP.**

- 14                    28. Applicant will comply with the provisions of the Intergovernmental  
15                    Agreement dated April 25, 2000 between Applicant and the Town of Gilbert,  
16                    as modified pursuant to this Certificate.

16                                       **Status ~ There are eight SRP obligations noted in the IGA, all of which**  
17                    **have been completed. A description of each obligation follows:**

18                                       **Improvements to Warner Road and Val Vista Road ~ These**  
19                    **improvements are complete.**

19                                       **Screening of the Plant ~ All of the screening is complete.**

20                                       **Trail Extension ~ In the "Trails Area" to the east of the power plant,**  
21                    **work is complete. The "Trails Area" includes a horse trail, unpaved**  
22                    **equestrian resting areas complete with benches for the horse's rider,**  
23                    **and a shared use path, surrounded by decorative masonry walls, path**  
24                    **lighting, and new plantings of trees and shrubs.**

23                                       **Rerouting of Canal at Ray Road ~ This canal modification is complete.**

24                                       **Training Tower Removal ~ This training tower was removed in the fall of**  
25                    **2000.**

25                                       **Revegetation Along New RS 18 Line ~ SRP has restored any vegetation**

1 ***damaged or destroyed along the RS 18 line as a result of the***  
2 ***construction of the line.***

3 ***Dust Control Along Canals ~ SRP is in compliance with applicable PM-***  
4 ***10 standards along SRP canal banks.***

5 ***Offsite Tree Planting ~ The offsite landscaping programs are complete.***  
6 ***See Condition 7 status for more details.***

- 7 29. During the proceeding neighbors to the plant site raise significant concern  
8 about the impact of the plant expansion on residential property values. In  
9 performing each of the conditions in this order Applicant, in conjunction  
10 where applicable, with the Town of Gilbert and the plant site neighbors, shall  
11 consider and attempt to maximize the positive effect of its activities on the  
12 values of the homes in the surrounding neighborhoods.

13 ***Status ~ SRP has invested \$20 million in community and site***  
14 ***improvements, including extensive landscaping to ensure compatibility***  
15 ***with the community. Conditions 7, 9 and 28 address SRP's***  
16 ***comprehensive landscaping plan that was developed by SRP's***  
17 ***landscape architect and approved by the CWG. All of the landscaping***  
18 ***at the project site has been completed and funding for off-site***  
19 ***landscaping has been completed as well. The landscaping provides***  
20 ***attractive features and was designed to maximize the positive effect on***  
21 ***the surrounding neighborhoods.***

- 22 30. Applicant shall construct the auxiliary boiler stack at such height as may be  
23 determined by air modeling requirements. Applicant shall situate the  
24 auxiliary boiler stack so that it is not visible from off the plant site.

25 ***Status ~ This condition is no longer applicable as SRP has decided not***  
26 ***to use an auxiliary boiler so no auxiliary boiler stack will be necessary.***

- 27 31. Applicant will construct the heat recovery steam generators ("HRSG")  
28 approximately 15 feet below grade and will construct the HRSGs so that the  
29 overall height of the HRSG module from the natural grade is no more than  
30 80 feet.

31 ***Status ~ SRP has completed the activity required by this condition.***

- 32 32. Applicant will complete the installation of the dry low NOX burners on the  
33 existing units prior to the construction of the new units.

34 ***Status ~ SRP has completed the activity required by this condition.***

- 35 33. Applicant shall not transfer this Certificate to any other entity for a period of  
20 years from the date of approval by the Corporation Commission, other  
than as part of a financing transaction where operational responsibilities will

1 remain with Applicant, and where Applicant will continue to operate the plant  
2 in accordance with this Certificate.

3 **Status ~ SRP has no plans to transfer this Certificate to another entity.**

- 4 34. Applicant shall post on its website, when its air quality permit application is  
5 submitted to the Maricopa County Environmental Services Department.  
6 Also, Applicant shall post on its website any official notice that may be  
7 required to be posted in newspapers for its air quality permit application.

8 **Status ~ SRP has completed the activity required by this condition.**

9 GRANTED this \_\_\_\_ day of February, 2001

10  
11 ARIZONA POWER PLANT AND TRANSMISSION  
12 LINE SITING COMMITTEE

13 \_\_\_\_\_  
14 By Paul A. Bullis  
15 Its Chairman  
16  
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1 **BEFORE THE ARIZONA CORPORATION COMMISSION**

2  
3 In the matter of the Application of Salt )  
4 River Project Agricultural Improvement and )  
5 Power District in conformance with the )  
6 requirements of Arizona Revised Statutes )  
7 Sections 40-360-03 and 40-360.06, for a )  
8 Certificate of Environmental Compatibility )  
9 authorizing the Expansion of its Santan )  
10 Generating Station, located at the intersection )  
11 of Warner Road and Val Vista Drive, )  
12 in Gilbert, Arizona, by adding 825 megawatts )  
13 of new capacity in the form of three combined )  
14 cycle natural gas units, and associated )  
15 intraplant transmission lines. )

Case No. 105

Docket No. L-00000B-00-0105

Decision No. \_\_\_\_\_

16 The Arizona Corporation Commission (Commission) has conducted its review, as  
17 prescribed by A.R.S. §40-360.07. Pursuant to A.R.S. §40-360.07(B), the Commission,  
18 in compliance with A.R.S. §40-360.06, and in balancing the broad public interest, the  
19 need for an adequate, economical and reliable supply of electric power with the desire  
20 to minimize the effect thereof on the environment and ecology of the state;

21 The Commission finds and concludes that the Certificate of Environmental  
22 Compatibility should be granted upon the additional and modified conditions stated  
23 herein.

- 24 35. The Santan Expansion Project shall be required to meet the Lowest  
25 Achievable Emission rate (LAER) for Carbon Monoxide (CO), Nitrogen  
Oxides (Nox), Volatile Organic Carbons (VOCs), and particulate Matter  
less than ten micron in aerodynamic diameter (PM10). The Santan  
Expansion Project shall be required to submit an air quality permit  
application requesting this LAER to the Maricopa County Environmental  
Services Department.

***Status ~ On February 10, 2003 the Maricopa County Environmental Services Department issued an air quality permit for the Santan Expansion Project. The air permit mandates the following Lowest Achievable Emission Rates (LAER):***

- ***CO – 2 ppm w/o duct firing; 2 ppm w/ duct firing***
- ***NOx – 2 ppm w/o duct firing; 2 ppm w/ duct firing***



- **VOC – 1 ppm w/o duct firing; 2 ppm w/ duct firing**
- **PM10 - .01 lb/mmBtu**

36. Due to the plant's location in a non-attainment area, the Applicant shall not use diesel fuel in the operation of any combustion turbine or heat recovery steam generator located at the plant.

***Status ~ Since the issuance of the ACC order for the SEP Certificate of Environmental Compatibility, SRP has not burned diesel fuel in the existing Santan generating units. The new generating units associated with the SEP do not have diesel fuel-burning capability.***

***On March 3, 2004, the Maricopa County Environmental Services Department, now the Maricopa County Air Quality Department (MCAQD), issued a revision to SRP's air quality permit to allow for the use of ultra low sulfur fuel as an emergency fuel in the existing units. The conditions in the air quality permit are identical to the requirements for emergency fuels contained in Maricopa County's new air quality rule for existing power plants (Rule 322), with the exception of the requirement that SRP use ultra low sulfur fuel rather than low sulfur fuel. In addition, the revised air permit includes a separate condition stating that SRP cannot use the fuel unless previously authorized by the ACC. SRP will continue to fully comply with Condition 36 of the CEC that prohibits the use of diesel fuel in any Santan unit unless amended by the ACC on an emergency basis at some future time.***

37. In obtaining emissions reductions related to Carbon Monoxide (CO) emissions, Applicant shall, where technologically feasible, obtain those emission reductions onsite to the Santan Expansion Project.

***Status ~ SRP has completed the activity required by this condition.***

38. Beginning upon commercial operation of the new units, Applicant shall conduct a review of the Santan Generating facility operations and equipment every five years and shall, within 120 days of completing such review, file with the Commission and all parties in this docket, a report listing all improvements which would reduce plant emissions and the costs associated with each potential improvement. Commission Staff shall review the report and issue its findings on the report, which will include an economic feasibility study, to the Commission within 60 days of receipt. Applicant shall install said improvements within 24 months of filing the review with the Commission, absent an order from the Commission directing otherwise.

***Status ~ SRP will comply with the requirement for a review of technology that will reduce plant emissions every 5 years after commercial operation of the new units and will report such findings to the Commission and all parties in this docket.***

1 39. Applicant shall provide \$20,000 to the Pipeline Safety Revolving Fund on  
2 an annual basis, thus improving the overall safety of pipelines throughout  
3 the State of Arizona.

4 ***Status ~ In March 2007, a check for \$20,000 was sent to the Arizona  
5 Corporation Commission, for deposit in the Pipeline Safety Revolving  
6 Fund. This check satisfies compliance with this condition for the year  
7 ending April 30, 2007. Subsequent checks will be distributed in the  
8 March/April timeframe each year.***

9 40. Where feasible, Applicant shall strive to incorporate local and in-state  
10 contractors in the construction of the three new generation units for the  
11 expansion project.

12 ***Status ~ Every effort was made to incorporate local contractors for this  
13 project. Over one hundred-eleven local or in-state contractors were  
14 used on this project.***

15 41. Applicant shall construct a 10-foot high block wall surrounding the  
16 perimeter of the Santan plant, and appropriately landscape the area  
17 consistent with the surrounding neighborhood, unless otherwise agreed to  
18 by the Salt River Project and the Citizens Working Group.

19 ***Status ~ SRP has completed the activity required by this condition.***

20 **APPROVED AS AMENDED BY ORDER OF THE ARIZONA CORPORATION  
21 COMMISSION**

22 \_\_\_\_\_  
23 Chairman

24 \_\_\_\_\_  
25 Commissioner

\_\_\_\_\_ Commissioner

In Witness hereof, I, Brian C. McNeil,  
Executive Secretary of the Arizona  
Corporation Commission, set my hand  
and cause the official seal of this  
Commission to be affixed this \_\_\_\_ day  
of \_\_\_\_\_, 2001.

By: \_\_\_\_\_  
Brian C. McNeil  
Executive Secretary

Dissent: \_\_\_\_\_