



April 3, 2012

NSR Permitting Program Manager  
New Mexico Environment Department  
Air Quality Bureau  
New Source Review Unit  
1301 Siler Road, Building B  
Santa Fe, NM 87507



Dear NSR Program Manager:

Subject: 20.2.72NMAC Permit Revision Application for Permit 0063, San Juan Generating Station

Attached please find two (2) hardcopies and two (2) electronic (CD) copies of a Permit Revision Application for PNM's San Juan Generating Station (SJGS). A check for the \$500 filing fee is attached to the application copy that has the original notarized signature. The primary purpose of this revision application is to implement either the Federal Implementation Plan (FIP) published in 40 CFR 52.1628 (August 22, 2011) or the the State of New Mexico Regional Haze State Implementation Plan, (SIP) adopted pursuant to 40 CFR 51.309. The FIP and SIP are mutually exclusive permitting requirements. They are presented in this permit application as separate scenarios; Scenario A for the FIP and Scenario B for the SIP.

Please let me know if you have any questions or need additional information.

Sincerely,

*Ralph Williams*

Ralph Williams  
Sr. Engineer  
Class One Technical Services

<b>Mail Application To:</b>  New Mexico Environment Department Air Quality Bureau Permitting Section 1301 Siler Road, Building B Santa Fe, NM 87507-3113  Phone: (505) 476-4300 Fax: (505) 476-4375 www.nmenv.state.nm.us/aqb		<b>For Department use only:</b>          AIRS No.:
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## Universal Air Quality Permit Application

### Use this application for NOI, NSR, or Title V sources.

Use this application for: the initial application, modifications, technical revisions, and renewals. For technical revisions, complete Sections, 1-A, 1-B, 2-E, 3, 9 and any other sections that are relevant to the requested action; coordination with the Air Quality Bureau permit staff prior to submittal is encouraged to clarify submittal requirements and to determine if more or less than these sections of the application are needed. For NOI applications, submit the entire UA1, UA2, and UA3 applications on single CD (no copies are needed). For NOIs, hard copies of UA1, Tables 2A, 2D & 2F, Section 3 and the signed Certification Page are required. Use this application for real-time permits as well.

**This application is being submitted as** (check all that apply):  Request for a No Permit Required Determination (no fee)  **Updating** an application currently under NMED review. Include this page and all pages that are being updated (no fee required).  
 Construction Status:  Not Constructed  Existing Permitted (or NOI) Facility  Existing Non-permitted (or NOI) Facility  
 Minor Source:  a NOI 20.2.73 NMAC  20.2.72 NMAC application/revision  20.2.72.300 NMAC Streamline application  
 Title V Source:  Title V (new)  Title V renewal  TV minor mod.  TV significant mod. TV Acid Rain:  New  Renewal  
 PSD Major Source:  PSD major source (new)  minor modification to a PSD source  a PSD major modification

**Acknowledgements:**  I acknowledge that a pre-application meeting is available to me upon request  NPR (no fee)  \$500 NSR Permit Filing Fee enclosed **OR**  The full permit fee associated with 10 fee points (required w/ streamline applications).  
 Check No.: [redacted] in the amount of [redacted] (Fee not required for Title V)  This facility meets the applicable requirements to register as a Small Business and a check for 50% of the normal fee is enclosed (only applicable **provided** that NMED has a Small Business Certification Form from your company on file found at: [http://www.nmenv.state.nm.us/aqb/permit/app\\_form.html](http://www.nmenv.state.nm.us/aqb/permit/app_form.html) ).

**Citation:** Please provide the **low level citation** under which this application is being submitted: **20.2.72.219.D.1.a NMAC** (i.e. an example of an application for a new minor source would be 20.2.72.200.A NMAC, one example of a low level cite for a Technical Revision could be: 20.2.72.219.B.1.b NMAC, or a Title V acid rain cite would be: 20.2.70.200.C NMAC)

**Synthetic Minor Source Information:** A source is synthetic minor if its uncontrolled emissions are above major source applicability thresholds, but the facility is minor because it has federally enforceable requirements (federal requirements or permit conditions) that limit controlled emissions below major source thresholds. Facilities can be synthetic minor for either Title V (20.2.70 NMAC) or PSD (20.2.74 NMAC) or both. The Department tracks synthetic minor sources that are within 20% of either TV or PSD major source thresholds, referring to these as Synthetic Minor 80 Sources (abbreviated SM80). Please check all that apply:  
 Prior to this permitting action this source is a  TV major source,  a TV synthetic minor source,  a TV SM80 source.  
 Prior to this permitting action this source is a  PSD major source,  a PSD synthetic minor source,  a PSD SM80 source.  
 This permitting action results in a  TV synthetic minor source and/or  PSD synthetic minor source.

## Section 1 – Facility Information

Section 1-A: Company Information		AI # (if known):	Updating permit #: 0063-M7
1	Facility Name: San Juan Generating Station	Plant primary SIC Code (4 digits): 4911	
a	Facility Street Address (If no facility street address, provide directions from a prominent landmark): Facility is 3 miles north of US Highway 64 on County Road 6800		
2	Plant Operator Company Name: Public Service Company of New Mexico	Phone/Fax: (505) 241-2003/(505) 241-4306	
a	Plant Operator Address: Alvarado Square, Albuquerque, New Mexico 87158		
b	Plant Operator's New Mexico Corporate ID or Tax ID: 85-0019030		
3	Plant Owner(s) name(s): See Note 1 below	Phone/Fax: See Note 1 below	

a	Plant Owner(s) Mailing Address(s): See Note 1 below	
4	Bill To (Company): Public Service Company of New Mexico (PNM)	Phone/Fax: (505) 241-2003/(505) 241-4306
a	Mailing Address: Alvarado Square, Albuquerque, New Mexico 87158	E-mail: Mark.Williams@pnmresources.com
5	<input type="checkbox"/> Preparer: Ralph Williams <input type="checkbox"/> Consultant: Class One Technical Services	Phone/Fax: 505 830 9680/505 830 9678
a	Mailing Address: 3500 G Comanche Rd NE, Albuquerque, NM 87107	E-mail: rwilliams@classonetech.com
6	Plant Operator Contact: Dan Kimball	Phone/Fax: (505) 598-7630/(505) 598-6036
a	Address: PO Box 227, Waterflow, NM 87421	E-mail: Danny.Kimball@pnmresources.com
7	Air Permit Contact: Mark Williams	Title: Air Quality Services Manager
a	E-mail: Mark.Williams@pnmresources.com	Phone/Fax: (505) 241-2003/(505) 241-4306
b	Mailing Address: Address: Alvarado Square, Mail Drop: 2104, Albuquerque, New Mexico 87158	

### Section 1-B: Current Facility Status

1	Has this facility already been constructed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it currently operating in New Mexico? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2	Is the plant currently shut down? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, give month and year of shut down (MM/YY):
3	Was this facility constructed before 8/31/1972 and continuously operated since 1972? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	If Yes, has this facility been modified (see 20.2.72.7.P NMAC) or the capacity increased since 8/31/1972? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
5	Does this facility have a Title V operating permit (20.2.70 NMAC)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the permit No. is: P-062R2
6	Has this facility been issued a No Permit Required (NPR)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the NPR No. is:
7	Has this facility been issued a Notice of Intent (NOI)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the NOI No. is:
8	Does this facility have a construction permit (20.2.72 NMAC)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the permit No. is: 0063-M7
9	Is this facility registered under a General permit (GCP-1, GCP-2, etc.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, the registr. No. is:

### Section 1-C: Facility Input Capacity & Production Rate

1	What is the facility's maximum input capacity, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: 936 tons coal	Daily: 22,466 tons coal	Annually: 8,200,000 tons coal
b	Proposed	Hourly: 936 tons coal	Daily: 22,466 tons coal	Annually: 8,200,000 tons coal
2	What is the facility's maximum production rate, specify units (reference here and list capacities in Section 20, if more room is required)			
a	Current	Hourly: 1,860 mw-hrs (gross)	Daily: 44,640 mw-hrs (gross)	Annually: 16.294 E06 mw-hrs (gross)
b	Proposed	Hourly: 1,860 mw-hrs (gross)	Daily: 44,640 mw-hrs (gross)	Annually: 16.294 E06 mw-hrs (gross)

### Section 1-D: Facility Location Information

1	Section: 16,17,18,19, 20,21,29,30	Range: 15W	Township: 30N	County: San Juan	Elevation (ft): 5,300
2	UTM Zone: <input checked="" type="checkbox"/> 12 or <input type="checkbox"/> 13			Datum: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 <input checked="" type="checkbox"/> WGS 84	
a	UTM E (in meters, to nearest 10 meters): 728,500			UTM N (in meters, to nearest 10 meters): 4,075,980	

b	<b>AND</b> Latitude (deg., min., sec.): 36°, 48', 7.4" N	Longitude (deg., min., sec.): 108°, 26', 19.5" W
3	Name and zip code of nearest New Mexico town: Waterflow, 87421	
4	Detailed Driving Instructions from nearest NM town (attach a road map if necessary): Facility is 3 miles north of US Highway 64 on county road 6800	
5	The facility is 3 miles North of Waterflow, NM	
6	Status of land at facility (check one): <input checked="" type="checkbox"/> Private <input type="checkbox"/> Indian/Pueblo <input type="checkbox"/> Federal BLM <input type="checkbox"/> Federal Forest Service <input type="checkbox"/> Other (specify)	
7	List all municipalities, Indian tribes, and counties within a ten (10) mile radius (20.2.72.203.B.2 NMAC) of the property on which the facility is proposed to be constructed or operated: <b>San Juan County, Navajo Nation, Ute Mountain Ute Tribe</b>	
8	20.2.72 NMAC applications <b>only</b> : Will the property on which the facility is proposed to be constructed or operated be closer than 50 km (31 miles) to other states, Bernalillo County, or a Class I area (see <a href="http://www.nmenv.state.nm.us/aqb/modeling/class1areas.html">www.nmenv.state.nm.us/aqb/modeling/class1areas.html</a> )? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (20.2.72.206.A.7 NMAC) If yes, list all with corresponding distances in kilometers: <b>Mesa Verde National Park – 39.96 km, CO 21.90 km.</b>	
9	Name nearest Class I area: <b>Mesa Verde National Park</b>	
10	Shortest distance (in km) from facility boundary to the boundary of the nearest Class I area (to the nearest 10 meters): <b>39.96 km</b>	
11	Distance (meters) from the perimeter of the Area of Operations (AO is defined as the plant site inclusive of all disturbed lands, including mining overburden removal areas) to nearest residence, school or occupied structure: <b>825 m from facility boundary</b>	
12	Method(s) used to delineate the Restricted Area: <b>Restricted area is delineated using signs and fencing.</b> <p>“<b>Restricted Area</b>” is an area to which public entry is effectively precluded. Effective barriers include continuous fencing, continuous walls, or other continuous barriers approved by the Department, such as rugged physical terrain with steep grade that would require special equipment to traverse. If a large property is completely enclosed by fencing, a restricted area within the property may be identified with signage only. Public roads cannot be part of a Restricted Area.</p>	
13	Is this a stationary portable source as defined in 20.2.72.7.X NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14	Will this facility operate in conjunction with other air regulated parties on the same property? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, what is the name and permit number (if known) of the other facility?	

### Section 1-E: Proposed Operating Schedule (The 1-E.1 & 1-E.2 operating schedules may become conditions in the permit.)

1	Facility <b>maximum</b> operating (24 hrs/day):	(7 days/week):	(52 weeks/year):	(8,760 hrs/yr):
2	Facility's maximum daily operating schedule (if less than 24)? Start:	<input type="checkbox"/> AM <input type="checkbox"/> PM	End:	<input type="checkbox"/> AM <input type="checkbox"/> PM
3	Month and year of anticipated start of construction: <b>Start work on Scenario A or B: After permit is issued.</b>			
4	Month and year of anticipated construction completion: <b>Scenario A – 9/2016; Scenario B 2/2016</b>			
5	Month and year of anticipated startup of new or modified facility: <b>Scenario A – 9/2016; Scenario B 2/2016</b>			
6	Will this facility operate at this site for more than one year? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

### Section 1-F: Other Facility Information

1	Are there any current Notice of Violations (NOV), compliance orders, or any other compliance or enforcement issues related to this facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, specify:		
a	If yes, NOV date or description of issue:	NOV Tracking No:	
b	Is this application in response to any issue listed in 1-F, 1 or 1a above? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, provide the 1c & 1d info below:		
c	Document Title:	Date:	Requirement # (or page # and paragraph #):
d	Provide the required text to be inserted in this permit:		
2	Is air quality dispersion modeling being submitted with this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3	Does this facility require an “Air Toxics” permit under 20.2.72.400 NMAC & 20.2.72.502, Tables A and/or B? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

4	Will this facility be a source of federal Hazardous Air Pollutants (HAP)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
a	If Yes, what type of source? <input checked="" type="checkbox"/> <b>Major</b> ( <input type="checkbox"/> $\geq 10$ tpy of any single HAP <b>OR</b> <input type="checkbox"/> $\geq 25$ tpy of any combination of HAPS) <b>OR</b> <input type="checkbox"/> <b>Minor</b> ( <input type="checkbox"/> $< 10$ tpy of any single HAP <b>AND</b> <input type="checkbox"/> $< 25$ tpy of any combination of HAPS)
b	If 4.a is Yes, identify the subparts in 40 CFR 61 & 40 CFR 63 that apply to this facility (If no subparts apply, enter "N/A."): N/A

### Section 1-G: Streamline Application (This section applies to 20.2.72.300 NMAC Streamline applications only)

1	<input type="checkbox"/> I have filled out Section 18, "Addendum for Streamline Applications." <input type="checkbox"/> N/A (This is not a Streamline application.)
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### Section 1-H: Title V Specific Information (Fill this section out only if this is a Title V application.)

1	Responsible Official (20.2.70.300.D.2 NMAC):	Phone:
a	R.O. Title:	R.O. e-mail:
b	R. O. Address:	
2	Alternate Responsible Official (20.2.70.300.D.2 NMAC):	Phone:
a	A. R.O. Title:	A. R.O. e-mail:
b	A. R. O. Address:	
3	Company's Corporate or Partnership Relationship to any other Air Quality Permittee (List the names of any companies that have operating (20.2.70 NMAC) permits and with whom the applicant for this permit has a corporate or partnership relationship):	
4	Name of Parent Company ("Parent Company" means the primary name of the organization that owns the company to be permitted wholly or in part.):	
a	Address of Parent Company:	
5	Names of Subsidiary Companies ("Subsidiary Companies" means organizations, branches, divisions or subsidiaries, which are owned, wholly or in part, by the company to be permitted.):	
6	Telephone numbers & names of the owners' agents and site contacts familiar with plant operations:	
7	Affected Programs to include Other States, local air pollution control programs (i.e. Bernalillo) and Indian tribes: Will the property on which the facility is proposed to be constructed or operated be closer than 80 km (50 miles) from other states, local pollution control programs, and Indian tribes and pueblos (20.2.70.402.A.2 and 20.2.70.7.B)? If yes, state which ones and provide the distances in kilometers:	

### Note 1: Facility Owners and Addresses:

#### Facility Owner's Name:

- Unit 1: Public Service Company of New Mexico  
Tucson Electric Power Company
- Unit 2: Public Service Company of New Mexico  
Tucson Electric Power Company
- Unit 3: Public Service Company of New Mexico  
Southern California Public Power Authority  
Tri-State Generation and Transmission Assoc., Inc.
- Unit 4: Public Service Company of New Mexico  
Utah Associated Municipal Power Systems  
City of Farmington

M-S-R Public Power Agency  
City of Anaheim  
Los Alamos County

### Facility Owner's Mailing Address:

Public Service Company of New Mexico  
Alvarado Square  
Albuquerque, NM 87158

Tucson Electric Power Company  
P. O. Box 711 (ER101)  
Tucson, AZ 85702

Southern California Public Power Authority  
333 E Barioni Blvd  
Imperial, CA 92251

Utah Associated Municipal Power Systems  
155 North 400 West  
Salt Lake City, UT 84103

City of Farmington  
501 McCormick School Road  
Farmington, NM 87401

M-S-R Public Power Agency  
13671 Redbud Lane  
Pine Grove, CA 95665

City of Anaheim  
201 S Anaheim Blvd, Ste 802  
Anaheim, CA 92805

County of Los Alamos  
P. O. Box 1030  
Los Alamos, NM 87544

Tri-State Generation & Transmission Assoc., Inc  
Northern Colorado Maintenance Center  
3761 Eureka Way  
Frederick, CO 80516

## Section 1-I – Submittal Requirements

Each 20.2.73 NMAC (**NOI**), a 20.2.70 NMAC (**Title V**), a 20.2.72 NMAC (**NSR** minor source), or 20.2.74 NMAC (**PSD**) application package shall consist of the following:

### Hard Copy Submittal Requirements:

- 1) One hard copy **original signed and notarized application package printed double sided 'head-to-toe' 2-hole punched** as we bind the document on top, not on the side; except Section 2 (landscape tables), which should be **head-to-head**. If 'head-to-toe printing' is not possible, print single sided. Please use **numbered tab separators** in the hard copy submittal(s) as this facilitates the review process. For NOI submittals only, hard copies of UA1, Tables 2A, 2D & 2F, Section 3 and the signed Certification Page are required.
- 2) If the application is for a NSR or Title V permitting action, include one working hard **copy** for Department use. This **copy** does not need to be 2-hole punched. Technical revisions only need to fill out Section 1-A, 1-B, 3, and should fill out those portions of other Section(s) relevant to the technical revision. TV Minor Modifications need only fill out Section 1-A, 1-B, 1-H, 3, and those portions of other Section(s) relevant to the minor modification. NMED may require additional portions of the application to be submitted, as needed.

- 3) The entire NOI or Permit application package, including the full modeling study, should be submitted electronically on compact disk(s) (CD). For permit application submittals, **two CD** copies are required (in sleeves, not crystal cases, please), with additional CD copies as specified below. NOI applications require only a **single CD** submittal.
- 4) If **air dispersion modeling** is required by the application type, include the **NMED Modeling Waiver OR** one additional electronic copy of the air dispersion modeling including the input and output files. The dispersion modeling **summary report only** should be submitted as hard copy(ies) unless otherwise indicated by the Bureau. The complete dispersion modeling study, including all input/output files, should be submitted electronically as part of the electronic submittal.
- 5) If subject to PSD review under 20.2.74 NMAC (PSD) include,
- one additional hard copy and one additional CD copy for US EPA,
  - one additional hard copy and one additional CD copy for each federal land manager affected (NPS, USFS, FWS, USDI) and,
  - one additional hard copy and one additional CD copy for each affected regulatory agency other than the Air Quality Bureau.

### Electronic Submittal Requirements [in addition to the required hard copy(ies)]:

- 1) All required electronic documents shall be submitted in duplicate (2 separate CDs). The documents should be submitted in Microsoft Office compatible file format (Word, Excel, etc.) allowing us to access the text in the documents (copy & paste). Any documents that cannot be submitted in a Microsoft Office compatible format shall be saved as a PDF file from within the electronic document that created the file. If you are unable to provide Microsoft office compatible electronic files or internally generated PDF files of files (items that were not created electronically: i.e. brochures, maps, graphics, etc.), submit these items in hard copy format with the number of additional hard copies corresponding to the number of CD copies required. We must be able to review the formulas and inputs that calculated the emissions.
- 2) It is preferred that this application form be submitted as 3 electronic files (**2 MSWord docs**: Universal Application section 1 and Universal Application section 3-19) and **1 Excel file** of the tables (Universal Application section 2) on the CD(s). Please include as many of the 3-19 Sections as practical in a single MS Word electronic document. Create separate electronic file(s) if a single file becomes too large or if portions must be saved in a file format other than MS Word.
- 3) The **electronic file names** shall be a maximum of 25 characters long (including spaces, if any). The format of the electronic Universal Application shall be in the format: "A-3423-FacilityName". The "A" distinguishes the file as an application submittal, as opposed to other documents the Department itself puts into the database. Thus, all electronic application submittals should begin with "A-". Modifications to existing facilities should use the **core permit number** (i.e. '3423') the Department assigned to the facility as the next 4 digits. Use 'XXXX' for new facility applications. The format of any separate electronic submittals (additional submittals such as non-Word attachments, re-submittals, application updates) and Section document shall be in the format: "A-3423-9-description", where "9" stands for the **section #** (in this case Section 9-Public Notice). Please refrain, as much as possible, from submitting any scanned documents as this file format is extremely large, which uses up too much storage capacity in our database. Please take the time to fill out the **header information** throughout all submittals as this will identify any loose pages, including the Application Date (date submitted) & Revision # (0 for original, 1, 2, etc.; which will help keep track of subsequent partial update(s) to the original submittal. The footer information should not be modified by the applicant.

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