

Mail Application To:

New Mexico Environment Department
Air Quality Bureau
Technical Services Unit
525 Camino de los Marquez, Suite 1
Santa Fe, New Mexico, 87505

Phone (505) 476-4300

Fax (505) 476-4375

www.nmenv.state.nm.us/aqb



For Department use only:

AIRS #:

AI #:

General Construction Permit (GCP-6)

Storage Vessels

Application Form (Registration Form)

(Locating outside of Bernalillo County, Tribal Lands, and City of Sunland Park)

This application is being submitted as (check all that apply):

- A new GCP-6 Application Form. A certified check or money order for the permit fee associated with 10 fee points (currently \$3830) as required by 20.2.75 NMAC is included.
- An update to a GCP-6 Application Form currently under NMED review. This page and all pages that are being updated are included.
- A notification of an administrative change to a GCP-6 Facility including: a change of owner/operator or change of contact information for any person identified in the Application Form. (Complete and submit Sections 1 and 15). No public notification is required, and no filing fees or permit fees apply.
- A notification of a modification to a GCP-6 Facility that includes any physical change in, or change in the method of operation of, a stationary source which results in an increase in the potential emission rate (PER) of any regulated air contaminant emitted by the source or which results in the emission of any regulated air contaminant not previously emitted. See definition of PER in Section 2 line 4 of this Application Form. (Complete and submit Sections 1, 2, 5, 6, 7, 8, 9, 10, 11, 13, 14, and 15). No public notification is required, and no filing fees or permit fees apply.

Construction Status: Not Constructed Existing Permitted (or NOI) Facility Existing Non-Permitted (or NOI) Facility

Acknowledgements:

- I acknowledge that a pre-application meeting is available to me upon request.
- Only Storage Vessels and methods of reducing VOC emissions from Storage Vessels are allowed under the GCP-6. I acknowledge any equipment at the facility other than equipment authorized under the GCP-6 may require its own Notice of Intent (NOI) or permit under 20.2.72 NMAC. If a NOI or 20.2.72 NMAC permit is required, a separate NOI application or permit application that includes the requested allowable emissions from this GCP-6 must be submitted for the entire facility.
- The original signed and notarized Certification for Submittal Under GCP-6 is included.
- Proof of public notice is included.
- This facility meets the applicable requirements to register as a Small Business and a certified check or money order for 50% of the normal fee is enclosed (only applicable **provided** that NMED has a Small Business Certification Form from your company on file. This form can be found at: http://www.nmenv.state.nm.us/aqb/sbap/Small_Business_Forms.html).
- Check No.: in the amount of

1) Company Information		AI # (if known):	If updating, provide permit #:
1	Facility Name:	Plant primary SIC Code (4 digits):	
a	Facility Street Address (If no facility street address, check here <input type="checkbox"/> and provide directions in Section 4):		
2	Plant Operator Company Name:	Phone/Fax:	

Company Name	Facility Name	Application Date
a	Plant Operator Address:	
3	Plant Owner(s) name(s):	Phone/Fax:
a	Plant Owner(s) Mailing Address(s):	
4	Bill To (Company):	Phone/Fax:
a	Mailing Address:	E-mail:
5	<input type="checkbox"/> Preparer: <input type="checkbox"/> Consultant:	Phone/Fax:
a	Mailing Address:	E-mail:
6	Plant Operator Contact:	Phone/Fax:
a	Address:	E-mail:
7	Air Permit Contact:	Title:
a	E-mail:	Phone/Fax:
b	Mailing Address:	
8	Will this facility operate in conjunction with other air regulated parties on the same property? <input type="checkbox"/> No <input type="checkbox"/> Yes If yes, what is the name and NOI or permit number (if known) of the other facility?	

2) Applicability

1	Is the facility located in Bernalillo County, on tribal lands, or in the city of Sunland Park?	<input type="checkbox"/> No <input type="checkbox"/> Yes
If you answered Yes to the question above, your facility does not qualify for this general construction permit.		
2	Is the facility's SIC code 1311, 4922, or 1321?	<input type="checkbox"/> No <input type="checkbox"/> Yes
3	Does the regulated equipment under this GCP-6 application include any combination of Allowable Equipment listed in Table 102.A of the GCP-6 and Allowable Methods of Reducing VOC Emissions listed in Table 102.B of the GCP-6, and no others?	<input type="checkbox"/> No <input type="checkbox"/> Yes
4	Can the regulated equipment under this GCP-6 application comply with the total potential emission rates in Tables 100.A and 100.B of the GCP-6? Layman's definition: Potential Emission Rate (PER) is the amount of emissions a facility could emit if it did not have a permit to legally limit its emissions to reduced amounts. The legal definition of PER can be found at 20.2.72.7 NMAC.	<input type="checkbox"/> No <input type="checkbox"/> Yes
5	Can the regulated equipment under this GCP-6 application comply with the allowable annual total VOC emission limits in Table 102.A of the GCP-6?	<input type="checkbox"/> No <input type="checkbox"/> Yes
6	If using flare(s) or thermal oxidizer(s) in this Application Form for use under this GCP-6, are they in compliance with the minimum height and velocity requirements as established in Table 102.C of the GCP-6?	<input type="checkbox"/> No <input type="checkbox"/> Yes

If you answered **NO** to any of questions 2-6, your facility **does not** qualify for this general construction permit.

3) Current Facility Status

1	Has this facility already been constructed? <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it currently operating in New Mexico? <input type="checkbox"/> Yes <input type="checkbox"/> No
2	Does this facility currently have a construction permit or Notice of Intent (20.2.72 NMAC or 20.2.73 NMAC)? <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, the permit No. or NOI No., and whether it will remain active or not
3	Is this application in response to a Notice of Violation (NOV)? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, provide current permit #:	If yes, NOV date: NOV Tracking No.

4) Facility Location Information

Please use Montana's Graphical Locator to convert Lat/Long to UTM systems, found at: <http://www.esg.montana.edu/gl/trs-data.html>

1	a) Section:	b) Range:	c) Township:	d) County:	e) Elevation (ft):
2	a) UTM Zone: <input type="checkbox"/> 12 or <input type="checkbox"/> 13		b) UTME (to nearest 0.01 km):	c) UTMN (to nearest 0.01 km):	

	d) Specify which datum is used: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 <input type="checkbox"/> WGS 83 See this link for more info. http://en.wikipedia.org/wiki/North_American_Datum	
AND	Latitude (deg., min., sec.):	Longitude (deg., min., sec.):
3	Name and zip code of nearest New Mexico town and/or tribal community:	
4	Detailed Driving Instructions including direction and distance from nearest NM town and/or tribal community (attach a road map if necessary). If there is no street address, provide public road mileage marker:	
5	The facility is (distance) miles (direction) of (nearest town).	
6	Land Status of facility (check one): <input type="checkbox"/> Private <input type="checkbox"/> Indian/Pueblo <input type="checkbox"/> Government <input type="checkbox"/> BLM <input type="checkbox"/> Forest Service <input type="checkbox"/> Military	
5) Operational Options		
1	Malfunction Emissions Option: Checking "yes" for this option indicates this facility shall have a federally enforceable 10 VOC tpy malfunction emission limit. The permittee shall meet the malfunction emission requirements described in Condition A104.A of GCP-6. The malfunction emissions should be entered in Table 10. This option is highly recommended as it has the potential of greatly reducing the number of excess emissions reports required for this facility.	<input type="checkbox"/> No <input type="checkbox"/> Yes
2	Redundancy Option: Checking "yes" for this option indicates that the Storage Vessels listed on Table 9 that have a requested redundant method of reducing VOC emissions will have associated federally enforceable limits and requirements in the GCP-6 permit. For these Storage Vessels, the permittee shall meet the redundancy requirements in Condition A105.B of GCP-6.	<input type="checkbox"/> No <input type="checkbox"/> Yes
3	Truck Loading Option: Checking "yes" for this option indicates this facility shall have a federally enforceable condition for reducing emissions during truck loading, and the permittee shall meet the truck loading requirements in Condition A106.A of GCP-6. The resulting reduced truck loading emissions should be entered in Table 10. If "no" is selected, truck loading emissions should be entered as unreduced emissions in Table 10.	<input type="checkbox"/> No <input type="checkbox"/> Yes
4	LACT Unit Option: Checking "yes" for this option indicates this facility operates a LACT unit and shall not vent emissions to the atmosphere under normal operation of the LACT unit, and the permittee shall meet the LACT unit requirements in Condition A106.B of GCP-6. Routine and predictable truck loading emissions that occur when the LACT unit is not operating should be entered in Table 10. Select "no" if there is not a LACT unit at this facility.	<input type="checkbox"/> No <input type="checkbox"/> Yes
6) Other Facility Information		
1	Maximum proposed annual throughput	bbl/yr: or MMscf/yr:
2	The source, as described in this application, constitutes the entire source for 20.2.70, 20.2.72, 20.2.73, or 20.2.74 NMAC applicability purposes.	<input type="checkbox"/> No <input type="checkbox"/> Yes
7) Submittal Requirements		
1	Include 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 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.	<input type="checkbox"/> No <input type="checkbox"/> Yes
2	Include one working hard copy for Department use. This <u>copy</u> does not need to be 2-hole punched.	<input type="checkbox"/> No <input type="checkbox"/> Yes
3	The entire application package should be submitted electronically on one compact disk (CD). Include a single PDF document of the entire application as submitted and the individual documents comprising the application. The documents should also 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. Spreadsheets must be unlocked since we must be able to review the formulas and inputs.	<input type="checkbox"/> No <input type="checkbox"/> Yes

9) Emission Reduction Method Selection Table and Calculation Tool for Storage Vessels

11) Description of the Routine Operations of the Facility

A written description of the routine operations of the facility. Include a brief description of the facility and its process. Also, describe how each piece of equipment will be operated, how methods of reducing VOC emissions will be used, the fate of both the products and emissions generated, and the air quality permit numbers associated with this site. The purpose of this description is to provide sufficient information about plant operations for the permit writer to determine appropriate emission sources.

To save paper and to standardize the application format, delete this sentence, and begin your submittal for this attachment on this page.

12) Proof of Public Notice

General Posting of Notice

I, _____, the undersigned, certify that on _____ (DATE), I posted a true and correct copy of the attached Public Notice in a publicly accessible and conspicuous place, visible from the nearest public road, at the entrance of the property on which the facility is, or is proposed to be, located.

Signed this _____ day of _____, _____.

Signature

Date

Printed Name

Title {APPLICANT OR RELATIONSHIP TO APPLICANT}

Newspaper Publication of Notice

An original or copy of the actual newspaper advertisement is attached. The original or copy of the advertisement includes the header showing the date and newspaper or publication title.

OR

An affidavit from the newspaper or publication stating that the advertisement was published is attached. The affidavit includes the date of the advertisement's publication, and a legible photocopy of the entire ad.

Signature

Date

Printed Name

Title {APPLICANT OR RELATIONSHIP TO APPLICANT}

GCP-6 PUBLIC NOTICE EXAMPLE

20.2.72 NMAC – *General Permits, Section 220.A(2)(b)ii*

Use this example for all public notices for GCP-6 permits (newspaper notice and site posting notice). Customize this document by modifying or deleting, as appropriate, all bracketed and bold text below. Posting of Public Notice is required at the facility entrance and in the local newspaper as described in Condition C100.B of the GCP-6 Permit. Before printing the final notice, delete this sentence and all preceding and subsequent text in red.

NOTICE

[Name of Company] announces its intent to apply to the New Mexico Environment Department for an air quality General Construction Permit, (GCP-6 Storage Vessels). The name of this facility is [Name of Facility]. The expected date of the submittal of our application for an air quality permit to the Air Quality Bureau is [date]. This notice is a requirement according to New Mexico air quality regulations.

The exact location of the facility is/will be [“UTM Zone 12/13, UTM Easting XXX, UTM Northing XXX” The approximate location of this site is XX.X miles [direction] of [town name (preferred) or, if no town within 30 miles, a reasonably close, well known point, such as the intersection of two roads, a well known landmark, or road mile marker] in [county name] county]. The standard operating schedule of this facility will be continuous.

Air emissions of any regulated air contaminant will be less than or equal to **[do not change the TPY values listed below]**:

	Tons per year (TPY)
1. Nitrogen Oxides (NO _x)	25
2. Carbon Monoxide (CO)	25
3. Volatile Organic Compounds (VOC)	79
4. Particulate Matter (PM10)	25
5. Particulate Matter (PM2.5)	25
6. Total Suspended Particulates	25
7. Sulfur Dioxide (SO ₂)	25
8. Hydrogen Sulfide (H ₂ S)	5
9. Any one (1) Hazardous Air Pollutant (HAP)	10
10. Sum of all Hazardous Air Pollutants (HAPs)	25

The owner and/or operator of the Plant is:
[name, company, street address, city, state, zip code]

If you have any questions or comments about construction or operation of above facility, and want your comments to be made as a part of the permit review process, you must submit your comments in writing to the address below:

New Mexico Environment Department
Air Quality Bureau
Technical Services Unit
525 Camino de los Marquez, Suite 1
Santa Fe, New Mexico, 87505
Phone (505) 476-4300
Fax (505) 476-4375 www.nmenv.state.nm.us/aqb
Other comments and questions may be submitted verbally.

Please refer to the company name and site name, as used in this notice or send a copy of this notice along with your comments, since the Department may not have received the permit application at the time of this notice.

13) All Calculations

Show all calculations used to determine the total VOC allowable emission rate from all Storage Vessels. All calculations shall be performed keeping a minimum of three significant figures. Document the source of each emission factor used (if an emission rate is carried forward and not revised, then a statement to that effect is required). If identical units are being permitted and will be subject to the same operating conditions, submit calculations for only one unit and a note specifying what other units to which the calculations apply. All formulas and calculations used to calculate emissions must be submitted. Format all spread sheets and calculations such that the reviewer can follow the logic and verify the input values. Define all variables. If calculation spread sheets are not used, provide the original formulas with defined variables. Additionally, provide subsequent formulas showing the input values for each variable in the formula.

Storage Vessel Flashing Calculations: The information provided to the AQB shall include a discussion of the method used to estimate Storage Vessel flashing emissions, accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis. If Hysis is used, all relevant input parameters shall be reported, including separator pressure, gas throughput, and all other relevant parameters necessary for flashing calculation.

SSM Calculations: It is the applicant's responsibility to provide an estimate of SSM emissions or to provide justification for not doing so. Refer to Startup, Shutdown, and Scheduled Maintenance (SSM) in Permitting Section Guidance and Procedures (http://www.nmenv.state.nm.us/aqb/permit/aqb_pol.html) for more detailed instructions on calculating SSM emissions.

Significant Figures:

A. All emissions standards are deemed to have at least two significant figures, but not more than three significant figures.

B. At least 5 significant figures shall be retained in all intermediate calculations.

C. In calculating emissions to determine compliance with an emission standard, the following rounding off procedures shall be used:

- (1) If the first digit to be discarded is less than the number 5, the last digit retained shall not be changed;
- (2) If the first digit discarded is greater than the number 5, or if it is the number 5 followed by at least one digit other than the number zero, the last figure retained shall be increased by one unit; **and**
- (3) If the first digit discarded is exactly the number 5, followed only by zeros, the last digit retained shall be rounded upward if it is an odd number, but no adjustment shall be made if it is an even number.
- (4) The final result of the calculation shall be expressed in the units of the standard.

Methods of Reducing Emissions: In accordance with 20.2.72.203.A(3) and (8) NMAC, 20.2.70.300.D(5)(b) and (e) NMAC, and 20.2.73.200.B(7) NMAC, the permittee shall report all methods of reducing emissions and list each pollutant reduced by the method regardless of whether the applicant takes credit for the reduction in emissions or not. The applicant can indicate in this section of the application if they chose to not take credit for the reduction in emission rates. This information is necessary to determine if federally enforceable conditions are necessary for the method of reducing emissions, and/or if the method produces its own regulated pollutants or increases emission rates of other pollutants.

To save paper and to standardize the application format, delete this sentence, and begin your submittal for this attachment on this page.

14) Information Used to Determine Emissions

Information Used to Determine Emissions shall include the following:

- If manufacturer data are used, include specifications for emissions units and methods of reducing emissions, including control efficiencies, specifications, and sufficient engineering data for verification of proper operation of methods of reducing emissions, including design drawings, test reports, and design parameters that affect normal operation.
- If test data are used, include a copy of the complete test report. If the test data are for an emissions unit other than the one being permitted, the emission units must be identical. Test data may not be used if any difference in operating conditions of the unit being permitted and the unit represented in the test report significantly affect emission rates.
- If the most current copy of AP-42 is used, reference the section and date located at the bottom of the page. Include a copy of the page containing the emissions factors, and clearly mark the factors used in the calculations.
- If an older version of AP-42 is used, include a complete copy of the section.
- If an EPA document or other material is referenced, include a complete copy.
- Fuel specification sheet.
- If computer models are used to estimate emissions, include an input summary (if available) and a detailed report, and a disk containing the input file(s) used to run the model. For Storage Vessel flashing emissions, include a discussion of the method used to estimate Storage Vessel flashing emissions, relative thresholds (i.e., permit or major source (NSPS, PSD or Title V)), accuracy of the model, the input and output from simulation models and software, all calculations, documentation of any assumptions used, descriptions of sampling methods and conditions, copies of any lab sample analysis.

To save paper and to standardize the application format, delete this sentence, and begin your submittal for this attachment on this page.

15) Certification for Submittal Under GCP-6

Company Name: _____

I, _____, hereby certify that the information and data submitted in this application are true and as accurate as possible, to the best of my knowledge and professional expertise and experience.

Signed this ____ day of _____, _____, upon my oath or affirmation, before a notary of the State of

_____.

*Signature

Date

Printed Name

Title

Scribed and sworn before me on this ____ day of _____, _____.

My authorization as a notary of the State of _____ expires on the

_____ day of _____, _____.

Notary's Signature

Date

Notary's Printed Name