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Albuquerque Environmental Health Department - Air Quality Program

Please mail this application to **P.O. Box 1293, Albuquerque, NM 87103**

or hand deliver between 8:00am - 5:00pm Monday - Friday to:

3rd Floor, Suite 3023 - One Civic Plaza NW, Albuquerque, New Mexico 87103

(505) 768 - 1972 aqd@cabq.gov (505) 768 - 1977 (Fax)



**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Clearly handwritten or type

Corporate Information

Submittal Date: ___/___/___

- 1. Company Name C and C Services Commercial Construction LLC 2. Street Address 2145 Don Andres Road SW Zip 87105
- 3. Company City Albuquerque 4. Company State NM 5. Company Phone (505) 280-1730 6. Company Fax (505) 452-9678
- 7. Company Mailing Address: SAME Zip
- 8. Company Contact and Title: Mr. Luis C. Tarin, Owner 9. Phone (505) 280-1730 10. E-mail candcservices@live.com

Stationary Source (Facility) Information: Provide a plot plan (legal description/drawing of facility property) with overlay sketch of facility processes; Location of emission points; Pollutant type and distances to property boundaries

- 1. Facility Name C & C Services 2. Street Address 2901 Second Street SW Zip 87105
- 3. City Albuquerque 4. State NM 5. Facility Phone same as corporate 6. Facility E-mail same as corporate
- 7. Facility Mailing Address (Local) same as corporate Zip
- 8. Latitude - Longitude or UTM Coordinates of Facility 348845 E; 3879677 N
- 9. Facility Contact and Title same as owner 10. Phone same as corporate 11. E-mail same as corporate

RECEIVED ENVIRONMENTAL HEALTH 16 AUG -9 AM 7:40

General Operation Information

(if any further information request does not pertain to your facility, write N/A on the line or in the box)

- 1. Facility Type (description of your facility operations) Portable Crushing/Screening of concrete/asphalt/gravel materials
- 2. Standard Industrial Classification (SIC 4 digit #) 3443 3. North American Industry Classification System (NAICS Code #) 332420
- 4. Is facility currently operating in Bernalillo County. no If yes, date of original construction / / If no, planned startup is Sept/Oct 2016
- 5. Is facility permanent yes If no, give dates for requested temporary operation - from / / through / /
- 6. Is facility process equipment new no If no, give actual or estimated manufacture or installation dates in the Process Equipment Table
- 7. Is application for a modification, expansion, or reconstruction (altering process, or adding, or replacing process equipment, etc.) to an existing facility which will result in a change in emissions no If yes, give the manufacture date of modified, added, or replacement equipment in the Process Equipment Table modification date column, or the operation changes to existing process/equipment which cause an emission increase
- 8. Is facility operation (circle one)? [Continuous Intermittent Batch]
- 9. Estimated % of production Jan-Mar 25 Apr-Jun 25 Jul-Sep 25 Oct-Dec 25
- 10. Current or requested operating times of facility 9 hrs/day 6 days/wk 4.3 wks/mo 12 mos/yr (~2,808 hours per year)
- 11. Business hrs 7:00 am/pm to 4:00 am/pm
- 12. Will there be special or seasonal operating times other than shown above No If yes, explain
- 13. Raw materials processed gravel, concrete, asphalt 14. Saleable item(s) produced gravel, concrete rip-rap, asphalt millings



City of Albuquerque

Environmental Health Department

Air Quality Program

Permit Application Review Fee Checklist



Please completely fill out the information in each section. Incompleteness of this checklist may result in the Albuquerque Environmental Health Department not accepting the application review fees. If you should have any questions concerning this checklist, please call 768-1972.

I. COMPANY INFORMATION:

Company Name	C and C Services Commercial Construction LLC	RECEIVED ENVIRONMENTAL HEALTH 16 AUG - 9 AM 7:40
Company Address	2145 Don Andres Road SW Albuquerque, New Mexico 87105	
Facility Name	C and C Services	
Facility Address	2901 Second Street SW Albuquerque, New Mexico 87105	
Contact Person	Mr. Luis C. Tarin, Owner	
Contact Person Phone Number	(505) 280-1730	
Are these application review fees for an existing permitted source located within the City of Albuquerque or Bernalillo County?	Yes	
If yes, what is the permit number associated with this modification?	Permit 7955-P	
Is this application review fee for a Qualified Small Business as defined in 20.11.2 NMAC? (See Definition of Qualified Small Business on Page 4)	Yes	No

II. STATIONARY SOURCE APPLICATION REVIEW FEES:

If the application is for a new stationary source facility, please check all that apply. If this application is for a modification to an existing permit please see Section III.

Check All That Apply	Stationary Sources	Review Fee	Program Element
Stationary Source Review Fees (Not Based on Proposed Allowable Emission Rate)			
	Source Registration required by 20.11.40 NMAC	\$ 544.00	2401
	A Stationary Source that requires a permit pursuant to 20.11.41 NMAC or other board regulations and are not subject to the below proposed allowable emission rates	\$ 1,088.00	2301
X	Not Applicable	See Sections Below	
Stationary Source Review Fees (Based on the Proposed Allowable Emission Rate for the single highest fee pollutant)			
X	Proposed Allowable Emission Rate Equal to or greater than 1 tpy and less than 5 tpy	\$ 816.00	2302
	Proposed Allowable Emission Rate Equal to or greater than 5 tpy and less than 25 tpy	\$ 1,632.00	2303
	Proposed Allowable Emission Rate Equal to or greater than 25 tpy and less than 50 tpy	\$ 3,265.00	2304
	Proposed Allowable Emission Rate Equal to or greater than 50 tpy and less than 75 tpy	\$ 4,897.00	2305
	Proposed Allowable Emission Rate Equal to or greater than 75 tpy and less than 100 tpy	\$ 6,530.00	2306
	Proposed Allowable Emission Rate Equal to or greater than 100 tpy	\$8,162.00	2307
	Not Applicable	See Section Above	
Federal Program Review Fees (In addition to the Stationary Source Application Review Fees above)			
X	40 CFR 60 - "New Source Performance Standards" (NSPS)	\$ 1,088.00	2308
	40 CFR 61 - "Emission Standards for Hazardous Air Pollutants (NESHAPs)	\$ 1,088.00	2309
X	40 CFR 63 - (NESHAPs) Promulgated Standards	\$ 1,088.00	2310
	40 CFR 63 - (NESHAPs) Case-by-Case MACT Review	\$ 10,883.00	2311
	20.11.61 NMAC, Prevention of Significant Deterioration (PSD) Permit	\$ 5,442.00	2312
	20.11.60 NMAC, Non-Attainment Area Permit	\$ 5,442.00	2313
	Not Applicable	Not Applicable	

III. MODIFICATION TO EXISTING PERMIT APPLICATION REVIEW FEES:

If the permit application is for a modification to an existing permit, please check all that apply. If this application is for a new stationary source facility, please see Section II.

Check All That Apply	Modifications	Review Fee	Program Element
Modification Application Review Fees (Not Based on Proposed Allowable Emission Rate)			
	Proposed modification to an existing stationary source that requires a permit pursuant to 20.11.41 NMAC or other board regulations and are not subject to the below proposed allowable emission rates	\$ 1,088.00	2321
X	<i>Not Applicable</i>	<i>See Sections Below</i>	
Modification Application Review Fees (Based on the Proposed Allowable Emission Rate for the single highest fee pollutant)			
	Proposed Allowable Emission Rate Equal to or greater than 1 tpy and less than 5 tpy	\$ 816.00	2322
	Proposed Allowable Emission Rate Equal to or greater than 5 tpy and less than 25 tpy	\$ 1,632.00	2323
	Proposed Allowable Emission Rate Equal to or greater than 25 tpy and less than 50 tpy	\$ 3,265.00	2324
	Proposed Allowable Emission Rate Equal to or greater than 50 tpy and less than 75 tpy	\$ 4,897.00	2325
	Proposed Allowable Emission Rate Equal to or greater than 75 tpy and less than 100 tpy	\$ 6,530.00	2326
	Proposed Allowable Emission Rate Equal to or greater than 100 tpy	\$8,162.00	2327
X	<i>Not Applicable</i>	<i>See Section Above</i>	
Major Modifications Review Fees (In addition to the Modification Application Review Fees above)			
	20.11.60 NMAC, Permitting in Non-Attainment Areas	\$ 5,442.00	2333
	20.11.61 NMAC, Prevention of Significant Deterioration	\$ 5,442.00	2334
X	<i>Not Applicable</i>	<i>Not Applicable</i>	
Federal Program Review Fees (This section applies only if a Federal Program Review is triggered by the proposed modification) (These fees are in addition to the Modification and Major Modification Application Review Fees above)			
	40 CFR 60 - "New Source Performance Standards" (NSPS)	\$ 1,088.00	2328
	40 CFR 61 - "Emission Standards for Hazardous Air Pollutants (NESHAPs)	\$ 1,088.00	2329
	40 CFR 63 - (NESHAPs) Promulgated Standards	\$ 1,088.00	2330
	40 CFR 63 - (NESHAPs) Case-by-Case MACT Review	\$ 10,883.00	2331
	20.11.61 NMAC, Prevention of Significant Deterioration (PSD) Permit	\$ 5,442.00	2332
	20.11.60 NMAC, Non-Attainment Area Permit	\$ 5,442.00	2333
X	<i>Not Applicable</i>	<i>Not Applicable</i>	

IV. ADMINISTRATIVE AND TECHNICAL REVISION APPLICATION REVIEW FEES:

If the permit application is for an administrative or technical revision of an existing permit issued pursuant to 20.11.41 NMAC, please check one that applies.

Check One	Revision Type	Review Fee	Program Element
	Administrative Revisions	\$ 250.00	2340
	Technical Revisions	\$ 500.00	2341
X	<i>Not Applicable</i>	<i>See Sections II, III or V</i>	

V. PORTABLE STATIONARY SOURCE RELOCATION FEES:

If the permit application is for a portable stationary source relocation of an existing permit, please check one that applies.

Check One	Portable Stationary Source Relocation Type	Review Fee	Program Element
	No New Air Dispersion Modeling Required	\$ 500.00	2501
	New Air Dispersion Modeling Required	\$ 750.00	2502
X	Not Applicable	See Sections II, III or V IV	

VI. Please submit a check or money order in the amount shown for the total application review fee.

Section Totals	Review Fee Amount
Section II Total	\$ 2,584.00*
Section III Total	\$ 0.00
Section IV Total	\$ 0.00
Section V Total	\$ 0.00
Total Application Review Fee	\$ 2,584.00

*Application review fee from Section II of \$816.00 is halved (to \$408.00) for qualified small business. Full federal source review fees for 40 CFR PARTS 60 NSPS and 63 NESHAP (promulgated standards) of \$1,088.00 each (\$2,176.00) applies.

I, the undersigned, a responsible official of the applicant company, certify that to the best of my knowledge, the information stated on this checklist, give a true and complete representation of the permit application review fees which are being submitted. I also understand that an incorrect submittal of permit application reviews may cause an incompleteness determination of the submitted permit application and that the balance of the appropriate permit application review fees shall be paid in full prior to further processing of the application.

Signed this 8 day of August 2016

Lois C. TARD Owner
 Print Name Print Title

[Signature]
 Signature

Definition of Qualified Small Business as defined in 20.11.2 NMAC:

“Qualified small business” means a business that meets all of the following requirements:

- (1) a business that has 100 or fewer employees;
- (2) a small business concern as defined by the federal Small Business Act;
- (3) a source that emits less than 50 tons per year of any individual regulated air pollutant, or less than 75 tons per year of all regulated air pollutants combined; and
- (4) a source that is not a major source or major stationary source.

Note: Beginning January 1, 2011, and every January 1 thereafter, an increase based on the consumer price index shall be added to the application review fees. The application review fees established in Subsection A through D of 20.11.2.18 NMAC shall be adjusted by an amount equal to the increase in the consumer price index for the immediately-preceding year. Application review fee adjustments equal to or greater than fifty cents (\$0.50) shall be rounded up to the next highest whole dollar. Application review fee adjustments totaling less than fifty cents (\$0.50) shall be rounded down to the next

lowest whole dollar. The department shall post the application review fees on the city of Albuquerque environmental health department air quality program website.



Albuquerque Environmental Health Department - Air Quality Program

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- 6. Is facility process equipment new no If no, give actual or estimated manufacture or installation dates in the Process Equipment Table
- 7. Is application for a modification, expansion, or reconstruction (altering process, or adding, or replacing process equipment, etc.) to an existing facility which will result in a change in emissions no If yes, give the manufacture date of modified, added, or replacement equipment in the Process Equipment Table modification date column, or the operation changes to existing process/equipment which cause an emission increase
- 8. Is facility operation (circle one)? [Continuous Intermittent Batch]
- 9. Estimated % of production Jan-Mar 25 Apr-Jun 25 Jul-Sep 25 Oct-Dec 25
- 10. Current or requested operating times of facility 9 hrs/day 6 days/wk 4.3 wks/mo 12 mos/yr (~2,808 hours per year)
- 11. Business hrs 7:00 am/pm to 4:00 am/pm
- 12. Will there be special or seasonal operating times other than shown above No If yes, explain
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**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Authority-to-Construct Permits (20.11.41 NMAC)**

15. Permitting Action Being Requested

New Permit Permit Modification Technical Permit Revision Administrative Permit Revision
 Current Permit #: 7955-P Current Permit #: _____ Current Permit #: _____

PROCESS EQUIPMENT TABLE

(Generator-Crusher-Screen-Conveyor-Boiler-Mixer-Spray Guns-Saws-Sander-Oven-Dryer-Furnace, Incinerator, etc.)

Process Equipment Unit	Manufacturer	Model #	Serial #	Manufacture Date	Installation Date	Modification Date	Size or Process Rate (Hp;kW;Btu;ft ³ ;lbs; tons;yd ³ ;etc.)	Fuel Type
Example 1. Generator	Unigen	B-2500	A56732195C-222	7/96	7/97	N/A	250 Hp - HR. YR.	Diesel
Example 2. Spray Gun	HVLP Systems	Spray-N-Stay 1100	k26-56-95	01/97	11/97	N/A	0.25 gal. - HR. YR.	Electric Compressor
4. Screen					Sept/Oct. 2016	-	Up to 300 tons/hr	
5. Portable Crusher					"	-	"	
11. Engine					"	"	Up to 499 Hp	Diesel
Loaders, Backhoes, etc. for material distribution								

1. Basis for Equipment Size or Process Rate (Manufacturers data, Field Observation/Test, etc.) Manufacturers data Submit information for each unit as an attachment

EXEMPTED SOURCES AND EXEMPTED ACTIVITES

(Generator-Crusher-Screen-Conveyor-Boiler-Mixer-Spray Guns-Saws-Sander-Oven-Dryer-Furnace-Incinerator, etc.)

Process Equipment Unit	Manufacturer	Model #	Serial #	Manufacture Date	Installation Date	Modification Date	Size or Process Rate (Hp;kW;Btu;ft ³ ;lbs; tons;yd ³ ;etc.)	Fuel Type
Example 1. Generator	Unigen	B-2500	A56732195C-222	7/96	7/97	N/A	250 Hp - HR. YR.	Diesel
Example 2. Spray Gun	HVLP Systems	Spray-N-Stay 1100	k26-56-95	01/97	11/97	N/A	0.25 gal. - HR. YR.	Electric Compressor
Except for control of unpaved road emissions- Loaders, Backhoes, etc for material distribution							HR. YR.	
							HR. YR.	
							HR. YR.	

1. Basis for Equipment Size or Process Rate (Manufacturers data, Field Observation/Test, etc.) _____ Submit information for each unit as an attachment

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Authority-to-Construct Permits (20.11.41 NMAC)**

UNCONTROLLED EMISSIONS OF INDIVIDUAL AND COMBINED PROCESSES

(Process potential under physical/operational limitations during a 24 hr/day and 365 day/year = 8,760 hrs)

Process Equipment Unit*	Carbon Monoxide (CO)	Oxides of Nitrogen (NOx)	Nonmethane Hydrocarbons NMHC (VOCs)	Oxides of Sulfur (SOx)	Total Suspended Particulate Matter (TSP)	Method(s) used for Determination of Emissions (AP-42, Material balance, field tests, manufacturers' data, etc.)
Example I. Generator	1. 9.1 lbs/hr	27.7 lbs/hr	1.3 lbs/hr	0.5 lbs/hr	2.0 lbs/hr	AP-42
	1a. 39.9 tons/yr	121.3 tons/yr	5.7 tons/yr	2.2 tons/yr	8.8 tons/yr	
1-3. Aggregate handling, storage, processing (Raw Material)	1-3. lbs/hr	lbs/hr	lbs/hr	lbs/hr	13.08 lbs/hr	AP-42 (sbap proposed policy for sand and gravel/aggregate processes and operations)
	1-3a. tons/yr	tons/yr	tons/yr	tons/yr	57.29 tons/yr	
6-9. Aggregate handling, storage, processing (Finished product)	6-9. lbs/hr	lbs/hr	lbs/hr	lbs/hr	13.98 lbs/hr	"
	6-9a. tons/yr	tons/yr	tons/yr	tons/yr	61.23 tons/yr	
10. Unpaved Roads	10. lbs/hr	lbs/hr	lbs/hr	lbs/hr	18.15 lbs/hr	"
	10a. tons/yr	tons/yr	tons/yr	tons/yr	79.50 tons/yr	
4. Screen	4. lbs/hr	lbs/hr	lbs/hr	lbs/hr	7.50 lbs/hr	"
	4a. tons/yr	tons/yr	tons/yr	tons/yr	32.85 tons/yr	
5. Portable Crusher	5. lbs/hr	lbs/hr	lbs/hr	lbs/hr	1.62 lbs/hr	"
	5a. tons/yr	tons/yr	tons/yr	tons/yr	7.10 tons/yr	
11. Engine	11. 2.86 lbs/hr	0.33 lbs/hr	0.15 lbs/hr	1.02 lbs/hr	0.01 lbs/hr	NSPS for Stationary non-emergency diesel engines (2011 +)
	11a. 12.53 tons/yr	1.45 tons/yr	0.67 tons/yr	4.48 tons/yr	0.05 tons/yr	
Total	2.86 lbs/hr	0.33 lbs/hr	0.15 lbs/hr	1.02 lbs/hr	54.34 lbs/hr	
	12.53 tons/yr	1.45 tons/yr	0.67 tons/yr	4.48 tons/yr	238.02 tons/yr	

* If any one (1) of these process units, or combination of units, has an uncontrolled emission greater than (>) 10 lbs/hr or 25 tons/yr for any of the above pollutants (based on 8760 hrs of operation), then a permit will be required. Complete this application along with additional checklist information requested on accompanying instruction sheet.

* If all of these process units, individually and in combination, have an uncontrolled emission less than or equal to (\leq) 10 lbs/hr or 25 tons/yr for all of the above pollutants (based on 8760 hrs of operation), but > 1 ton/yr for any of the above pollutants - then a source registration is required.

Note: If your source does not require a registration or permit, based on above pollutant emissions, complete the remainder of this application to determine if a registration or permit would be required for any Toxic or Hazardous air pollutants used at your facility.

Copy this page if additional space is needed for either table (begin numbering with 11., 12., etc.)

NOTE: Uncontrolled Emission rates for PM10 and PM2.5 are provided on the attached excel spreadsheet.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Authority-to-Construct Permits (20.11.41 NMAC)**

CONTROLLED EMISSIONS OF INDIVIDUAL AND COMBINED PROCESSES

(Based on current operations with emission controls OR requested operations with emission controls)

Process Equipment Units listed on this Table should match up to the same numbered line and Unit as listed on Uncontrolled Table
(pg.2)

Process Equipment Unit	Carbon Monoxide (CO)	Oxides of Nitrogen (NOx)	Nonmethane Hydrocarbons NMHC (VOCs)	Oxides of Sulfur (SOx)	Total Suspended Particulate Matter (TSP)	Control Equipment	% Efficiency
I. Example Generator	1. 9.1 lbs/hr	27.7 lbs/hr	1.3 lbs/hr	0.5 lbs/hr	2.0 lbs/hr	Operating Hours	N/A
	1a. 18.2 tons/yr	55.4 tons/yr	2.6 tons/yr	1.0 tons/yr	4.0 tons/yr		
1-3. Aggregate handling, storage, processing (Raw Material)	1-3. lbs/hr	lbs/hr	lbs/hr	lbs/hr	0.65 lbs/hr	Vehicle speed; gravel and/or millings on haul rds; Watering, operating hours(2,808)	95+ %
	1-3a. tons/yr	tons/yr	tons/yr	tons/yr	0.92 tons/yr		
6-9. Aggregate handling, storage, processing (Finished product)	6-9. lbs/hr	lbs/hr	lbs/hr	lbs/hr	0.70 lbs/hr	"	"
	6-9a. tons/yr	tons/yr	tons/yr	tons/yr	0.98 tons/yr		
10. Unpaved Roads	10. lbs/hr	lbs/hr	lbs/hr	lbs/hr	0.91 lbs/hr	"	"
	10a. tons/yr	tons/yr	tons/yr	tons/yr	1.27 tons/yr		
4. Screen	4. lbs/hr	lbs/hr	lbs/hr	lbs/hr	0.38 lbs/hr	Wet feed materials & Spray bars as necessary, operating hours(2,808)	"
	4a. tons/yr	tons/yr	tons/yr	tons/yr	0.53 tons/yr		
5. Portable Crusher	5. lbs/hr	lbs/hr	lbs/hr	lbs/hr	0.08 lbs/hr	"	"
	5a. tons/yr	tons/yr	tons/yr	tons/yr	0.11 tons/yr		
11. Engine	11. 2.86 lbs/hr	0.33 lbs/hr	0.15 lbs/hr	1.02 lbs/hr	0.01 lbs/hr	Operating hours (2,808)	-
	11a. 4.02 tons/yr	0.46 tons/yr	0.22 tons/yr	1.44 tons/yr	0.02 tons/yr		
Total	2.86 lbs/hr	0.33 lbs/hr	0.15 lbs/hr	1.02 lbs/hr	2.73 lbs/hr		
	4.02 tons/yr	0.46 tons/yr	0.22 tons/yr	1.44 tons/yr	3.83 tons/yr		

1. Basis for Control Equipment % Efficiency (Manufacturers data, Field Observation/Test, AP-42, etc.)

Submit information for each unit as an attachment ____ manufacturer's data; site observations from previously monitored sources ____

2. Explain and give estimated amounts of any Fugitive Emissions associated with facility processes

____ minor potential fugitive emission from material handling and vehicle traffic ____

NOTE: Controlled Emission rates for PM10 and PM2.5 are provided on the attached excel spreadsheet.

**Application for Air Pollutant Sources in Bernalillo County
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****TOXIC EMISSIONS**

VOLATILE, HAZARDOUS, & VOLATILE HAZARDOUS AIR POLLUTANT EMISSION TABLE

Product Categories (Coatings, Solvents, Thinners, etc.)	Volatile Organic Compound (VOC), Hazardous Air Pollutant (HAP), or Volatile Hazardous Air Pollutant (VHAP) Primary To The Representative As Purchased Product	Chemical Abstract Service Number (CAS) Of VOC, HAP, Or VHAP From Representative As Purchased Product	VOC, HAP, Or VHAP Concentration Of Representative As Purchased Product (pounds/gallon, or %)	1. How were Concentrations Determined (CPDS, MSDS, etc.)	Total Product Purchases For Category	(-)	Quantity Of Product Recovered & Disposed For Category	(=)	Total Product Usage For Category
EXAMPLE 1. Cleaning Solvents	TOLUENE	108883	70%	PRODUCT LABEL	lbs/yr	(-)	lbs/yr	(=)	lbs/yr
					200 gal/yr		50 gal/yr		150 gal/yr
1.	Not Applicable				lbs/yr	(-)	lbs/yr	(=)	lbs/yr
					gal/yr		gal/yr		gal/yr
2.					lbs/yr	(-)	lbs/yr	(=)	lbs/yr
					gal/yr		gal/yr		gal/yr
3.					lbs/yr	(-)	lbs/yr	(=)	lbs/yr
					gal/yr		gal/yr		gal/yr

1. Basis for percent (%) determinations (Certified Product Data Sheets, Material Safety Data Sheets, etc.). Submit, as an attachment, information on one (1) product from each Category listed above which best represents the average of all the products purchased in that Category.

****NOTE: A REGISTRATION IS REQUIRED, AT MINIMUM, FOR ANY AMOUNT OF HAP OR VHAP EMISSION. A PERMIT MAY BE REQUIRED FOR THESE EMISSIONS, IF THE SOURCE MEETS THE REQUIREMENTS OF PART 41.**

MATERIAL AND FUEL STORAGE TABLE

(Tanks, barrels, silos, stockpiles, etc.) Copy this table if additional space is needed (begin numbering with 4., 5., etc.)

Storage Equipment	Product Stored	Capacity (bbls - tons gal - acres, etc)	Above or Below Ground	Construction (welded, riveted) & Color	Install Date	Loading Rate	Offloading Rate	True Vapor Pressure	Control Equipment	Seal Type	% Eff.
Example 1. Tank	diesel fuel	5,000 gal.	Below	welded/ brown	3/93	3000gal HR. YR.	500 gal. - HR. YR.	N/A Psia	N/A	N/A	N/A
Example 2. Barrels	Solvent	55 gal Drum	Above - in storage room	welded/green	N/A	N/A HR. YR.	N/A HR. YR.	N/A Psia	N/A	N/A	N/A
1. Tank	Diesel fuel	500 gal.	above		Sept/ Oct 2016	HR. YR.	HR. YR.	Psia			
2.						HR. YR.	HR. YR.	Psia			
3.						HR. YR.	HR. YR.	Psia			

1. Basis for Loading/Offloading Rate (Manufacturers data, Field Observation/Test, etc.) _____
 Submit information for each unit as an attachment.
2. Basis for Control Equipment % Efficiency (Manufacturers data, Field Observation/Test, AP-42, etc.) _____
 Submit information for each unit as an attachment.

STACK AND EMISSION MEASUREMENT TABLE

If any equipment from the Process Equipment Table (Page 2) is also listed in this Stack Table, use the same numbered line for the Process Equipment unit on both Tables to show the association between the Process Equipment and it's Stack. Copy this table if additional space is needed (begin numbering with 4., 5., etc.).

Process Equipment	Pollutant (CO, NOx, TSP, Toluene, etc)	Control Equipment	Control Efficiency	Stack Height & Diameter in feet	Stack Temp.	Stack Velocity & Exit Direction	Emission Measurement Equipment Type	Range-Sensitivity-Accuracy-
Example 1. Generator	CO, NOx, TSP, SO ₂ , NMHC	N/A	N/A	18 ft. - H 0.8 ft. - D	225 °F	6,000 ft ³ /min - V Exit - upward	N/A	N/A
Example 2. Spray Gun	TSP, xylene, toluene, MIBK	Spray Booth	99% for TSP	9 ft. - H 0.5 ft. - D	ambient	10,000 ft ³ /min - V Exit - horizontal	N/A	N/A
11. Engine	CO, NOx, TSP, SO ₂ , NMHC	N/A	-	14 ft. - H 0.5 ft. - D	1,119 °F	172 ft/sec - V Exit - upward	N/A	N/A

1. Basis for Control Equipment % Efficiency (Manufacture data, Field Observation/Test, AP-42, etc.) Submit information for each unit as an attachment

ADDITIONAL COMMENTS OR INFORMATION

I, the undersigned, a responsible officer of the applicant company, certify that to the best of my knowledge, the information stated on this application, together with associated drawings, specifications, and other data, give a true and complete representation of the existing, modified existing, or planned new stationary source with respect to air pollution sources and control equipment. I also understand that any significant omissions, errors, or misrepresentations in these data will be cause for revocation of part or all of the resulting registration or permit.

Signed this 8 day of August, 2016

Luis C. Tapia
 Print Name

Owner
 Print Title

[Signature]
 Signature



City of Albuquerque

Environmental Health Department

Air Quality Program



Permit Application Review Fee Instructions

All source registration, authority-to-construct, and operating permit applications for stationary or portable sources shall be charged an application review fee according to the fee schedule in 20.11.2 NMAC. These filing fees are required for both new construction, reconstruction, and permit modifications applications. Qualified small businesses as defined in 20.11.2 NMAC may be eligible to pay one-half of the application review fees and 100% of all applicable federal program review fees.

Please fill out the permit application review fee checklist and submit with a check or money order payable to the "City of Albuquerque Fund 242" and either:

1. be delivered in person to the Albuquerque Environmental Health Department, 3rd floor, Suite 3023 or Suite 3027, Albuquerque-Bernalillo County Government Center, south building, One Civic Plaza NW, Albuquerque, NM or,
2. mailed to Attn: Air Quality Program, Albuquerque Environmental Health Department, P.O. Box 1293, Albuquerque, NM 87103.

The department will provide a receipt of payment to the applicant. The person delivering or filing a submittal shall attach a copy of the receipt of payment to the submittal as proof of payment. Application review fees shall not be refunded without the written approval of the manager. If a refund is requested, a reasonable professional service fee to cover the costs of staff time involved in processing such requests shall be assessed. Please refer to 20.11.2 NMAC (effective January 10, 2011) for more detail concerning the "Fees" regulation as this checklist does not relieve the applicant from any applicable requirement of the regulation.



City of Albuquerque

Environmental Health Department

Air Quality Program

Permit Application Review Fee Checklist



Please completely fill out the information in each section. Incompleteness of this checklist may result in the Albuquerque Environmental Health Department not accepting the application review fees. If you should have any questions concerning this checklist, please call 768-1972.

I. COMPANY INFORMATION:

Company Name	C and C Services Commercial Construction LLC	
Company Address	2145 Don Andres Road SW Albuquerque, New Mexico 87105	
Facility Name	C and C Services	
Facility Address	2901 Second Street SW Albuquerque, New Mexico 87105	
Contact Person	Mr. Luis C. Tarin, Owner	
Contact Person Phone Number	(505) 280-1730	
Are these application review fees for an existing permitted source located within the City of Albuquerque or Bernalillo County?	Yes	<input checked="" type="checkbox"/>
If yes, what is the permit number associated with this modification?	Permit 7955-P	
Is this application review fee for a Qualified Small Business as defined in 20.11.2 NMAC? (See Definition of Qualified Small Business on Page 4)	Yes	<input type="checkbox"/> No

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II. STATIONARY SOURCE APPLICATION REVIEW FEES:

If the application is for a new stationary source facility, please check all that apply. If this application is for a modification to an existing permit please see Section III.

Check All That Apply	Stationary Sources	Review Fee	Program Element
Stationary Source Review Fees (Not Based on Proposed Allowable Emission Rate)			
	Source Registration required by 20.11.40 NMAC	\$ 544.00	2401
	A Stationary Source that requires a permit pursuant to 20.11.41 NMAC or other board regulations and are not subject to the below proposed allowable emission rates	\$ 1,088.00	2301
X	<i>Not Applicable</i>	<i>See Sections Below</i>	
Stationary Source Review Fees (Based on the Proposed Allowable Emission Rate for the single highest fee pollutant)			
X	Proposed Allowable Emission Rate Equal to or greater than 1 tpy and less than 5 tpy	\$ 816.00	2302
	Proposed Allowable Emission Rate Equal to or greater than 5 tpy and less than 25 tpy	\$ 1,632.00	2303
	Proposed Allowable Emission Rate Equal to or greater than 25 tpy and less than 50 tpy	\$ 3,265.00	2304
	Proposed Allowable Emission Rate Equal to or greater than 50 tpy and less than 75 tpy	\$ 4,897.00	2305
	Proposed Allowable Emission Rate Equal to or greater than 75 tpy and less than 100 tpy	\$ 6,530.00	2306
	Proposed Allowable Emission Rate Equal to or greater than 100 tpy	\$8,162.00	2307
	<i>Not Applicable</i>	<i>See Section Above</i>	
Federal Program Review Fees (In addition to the Stationary Source Application Review Fees above)			
X	40 CFR 60 - "New Source Performance Standards" (NSPS)	\$ 1,088.00	2308
	40 CFR 61 - "Emission Standards for Hazardous Air Pollutants (NESHAPs)	\$ 1,088.00	2309
X	40 CFR 63 - (NESHAPs) Promulgated Standards	\$ 1,088.00	2310
	40 CFR 63 - (NESHAPs) Case-by-Case MACT Review	\$ 10,883.00	2311
	20.11.61 NMAC, Prevention of Significant Deterioration (PSD) Permit	\$ 5,442.00	2312
	20.11.60 NMAC, Non-Attainment Area Permit	\$ 5,442.00	2313
	<i>Not Applicable</i>	<i>Not Applicable</i>	

III. MODIFICATION TO EXISTING PERMIT APPLICATION REVIEW FEES:

If the permit application is for a modification to an existing permit, please check all that apply. If this application is for a new stationary source facility, please see Section II.

Check All That Apply	Modifications	Review Fee	Program Element
Modification Application Review Fees (Not Based on Proposed Allowable Emission Rate)			
	Proposed modification to an existing stationary source that requires a permit pursuant to 20.11.41 NMAC or other board regulations and are not subject to the below proposed allowable emission rates	\$ 1,088.00	2321
X	<i>Not Applicable</i>	<i>See Sections Below</i>	
Modification Application Review Fees (Based on the Proposed Allowable Emission Rate for the single highest fee pollutant)			
	Proposed Allowable Emission Rate Equal to or greater than 1 tpy and less than 5 tpy	\$ 816.00	2322
	Proposed Allowable Emission Rate Equal to or greater than 5 tpy and less than 25 tpy	\$ 1,632.00	2323
	Proposed Allowable Emission Rate Equal to or greater than 25 tpy and less than 50 tpy	\$ 3,265.00	2324
	Proposed Allowable Emission Rate Equal to or greater than 50 tpy and less than 75 tpy	\$ 4,897.00	2325
	Proposed Allowable Emission Rate Equal to or greater than 75 tpy and less than 100 tpy	\$ 6,530.00	2326
	Proposed Allowable Emission Rate Equal to or greater than 100 tpy	\$8,162.00	2327
X	<i>Not Applicable</i>	<i>See Section Above</i>	
Major Modifications Review Fees (In addition to the Modification Application Review Fees above)			
	20.11.60 NMAC, Permitting in Non-Attainment Areas	\$ 5,442.00	2333
	20.11.61 NMAC, Prevention of Significant Deterioration	\$ 5,442.00	2334
X	<i>Not Applicable</i>	<i>Not Applicable</i>	
Federal Program Review Fees (This section applies only if a Federal Program Review is triggered by the proposed modification) (These fees are in addition to the Modification and Major Modification Application Review Fees above)			
	40 CFR 60 - "New Source Performance Standards" (NSPS)	\$ 1,088.00	2328
	40 CFR 61 - "Emission Standards for Hazardous Air Pollutants (NESHAPs)	\$ 1,088.00	2329
	40 CFR 63 - (NESHAPs) Promulgated Standards	\$ 1,088.00	2330
	40 CFR 63 - (NESHAPs) Case-by-Case MACT Review	\$ 10,883.00	2331
	20.11.61 NMAC, Prevention of Significant Deterioration (PSD) Permit	\$ 5,442.00	2332
	20.11.60 NMAC, Non-Attainment Area Permit	\$ 5,442.00	2333
X	<i>Not Applicable</i>	<i>Not Applicable</i>	

IV. ADMINISTRATIVE AND TECHNICAL REVISION APPLICATION REVIEW FEES:

If the permit application is for an administrative or technical revision of an existing permit issued pursuant to 20.11.41 NMAC, please check one that applies.

Check One	Revision Type	Review Fee	Program Element
	Administrative Revisions	\$ 250.00	2340
	Technical Revisions	\$ 500.00	2341
X	<i>Not Applicable</i>	<i>See Sections II, III or V</i>	

V. PORTABLE STATIONARY SOURCE RELOCATION FEES:

If the permit application is for a portable stationary source relocation of an existing permit, please check one that applies.

Check One	Portable Stationary Source Relocation Type	Review Fee	Program Element
	No New Air Dispersion Modeling Required	\$ 500.00	2501
	New Air Dispersion Modeling Required	\$ 750.00	2502
X	Not Applicable	See Sections II, III or IV	

VI. Please submit a check or money order in the amount shown for the total application review fee.

Section Totals	Review Fee Amount
Section II Total	\$ 2,584.00*
Section III Total	\$ 0.00
Section IV Total	\$ 0.00
Section V Total	\$ 0.00
Total Application Review Fee	\$ 2,584.00

*Application review fee from Section II of \$816.00 is halved (to \$408.00) for qualified small business. Full federal source review fees for 40 CFR PARTS 60 NSPS and 63 NESHAP (promulgated standards) of \$1,088.00 each (\$2,176.00) applies.

I, the undersigned, a responsible official of the applicant company, certify that to the best of my knowledge, the information stated on this checklist, give a true and complete representation of the permit application review fees which are being submitted. I also understand that an incorrect submittal of permit application reviews may cause an incompleteness determination of the submitted permit application and that the balance of the appropriate permit application review fees shall be paid in full prior to further processing of the application.

Signed this 8 day of August 2016

Lois C. Tamm Owner
 Print Name Print Title

[Signature]
 Signature

Definition of Qualified Small Business as defined in 20.11.2 NMAC:

“Qualified small business” means a business that meets all of the following requirements:

- (1) a business that has 100 or fewer employees;
- (2) a small business concern as defined by the federal Small Business Act;
- (3) a source that emits less than 50 tons per year of any individual regulated air pollutant, or less than 75 tons per year of all regulated air pollutants combined; and
- (4) a source that is not a major source or major stationary source.

Note: Beginning January 1, 2011, and every January 1 thereafter, an increase based on the consumer price index shall be added to the application review fees. The application review fees established in Subsection A through D of 20.11.2.18 NMAC shall be adjusted by an amount equal to the increase in the consumer price index for the immediately-preceding year. Application review fee adjustments equal to or greater than fifty cents (\$0.50) shall be rounded up to the next highest whole dollar. Application review fee adjustments totaling less than fifty cents (\$0.50) shall be rounded down to the next

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C & C SERVICES
COMMERCIAL CONSTRUCTION
2145 DON ANDRES RD. SW.
ALBUQUERQUE, NM 87105
PH. 505-280-1730

8396



95-219/1070

Date 8/8/16

Pay to the order of City of Albuquerque Fund 242 \$ 2584.00 Dollars

Two thousand five hundred eighty four

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Blue = Emission Factors/Efficiencies

Red = Potential Emission Rates
C and C Services, Inc.
Portable Crushing Plant

Green = Controlled Conditions

Equipment Number	Process Equipment Description	Process Rate TPH	Pounds per Ton			Pounds per Hour			Tons per Year			Pounds per Hour			Tons per Year					
			TSP	PM-10	PM-2.5	TSP	PM-10	PM-2.5	Hr/Yr	TSP	PM-10	PM-2.5	% Eff.	TSP	PM-10	PM-2.5	Hr/Yr	TSP	PM-10	PM-2.5
1	Raw Material Batch Drop (Concrete ; Aggregate)	150	0.022	0.0103	0.0016	3.270	1.545	0.240	8760	14.323	6.77	1.051	0.95	0.164	0.077	0.012	2808	0.230	0.108	0.017
2	Raw Material Batch Drop (Asphalt)	150	0.022	0.0103	0.0016	3.270	1.545	0.240	8760	14.323	6.77	1.051	0.95	0.164	0.077	0.012	2808	0.230	0.108	0.017
3	Bulk Loading of Main Feed Hopper (at Crusher)	300	0.022	0.0103	0.0016	6.540	3.090	0.480	8760	28.645	13.53	2.102	0.95	0.327	0.155	0.024	2808	0.459	0.217	0.034
	Total (1-3)					13.080	6.180	0.960	57.290	27.068	4.205		0.654	0.309	0.048		0.918	0.434	0.067	
4	Screen	300	0.025	0.0087	0.003	7.500	2.610	0.900	8760	32.850	11.43	3.942	0.95	0.375	0.131	0.045	2808	0.527	0.183	0.063
5	Portable Impact Crusher	300	0.005	0.0024	0.0008	1.620	0.720	0.240	8760	7.096	3.15	1.051	0.95	0.081	0.036	0.012	2808	0.114	0.051	0.017
6	Conveyor from Crusher (continuous drop finished pile formation)	300	0.003	0.0011	0.0004	0.900	0.330	0.120	8760	3.942	1.45	0.526	0.95	0.045	0.017	0.006	2808	0.063	0.023	0.008
7	Loadout from finished pit	300	0.022	0.0103	0.0016	6.540	3.090	0.480	8760	28.645	13.53	2.102	0.95	0.327	0.155	0.024	2808	0.459	0.217	0.034
8	Finished Pile formation (Concrete ; Aggregate)	150	0.022	0.0103	0.0016	3.270	1.545	0.240	8760	14.323	6.77	1.051	0.95	0.164	0.077	0.012	2808	0.230	0.108	0.017
9	Finished Pile formation (Asphalt)	150	0.022	0.0103	0.0016	3.270	1.545	0.240	8760	14.323	6.77	1.051	0.95	0.164	0.077	0.012	2808	0.230	0.108	0.017
	Total (6-9)					13.980	6.510	1.080	61.232	28.514	4.730		0.699	0.326	0.054		0.981	0.457	0.076	
	Totals (1-9)					36.180	16.020	3.180	8760	158.468	70.168	13.928		1.809	0.801	0.159		2.540	1.125	0.223
10	Unpaved Roads					18.15	4.50	0.45	8760	79.497	19.71	1.971	0.95	0.908	0.225	0.023	2808	1.274	0.316	0.032
	Subtotal (1-10)					54.330	20.520	3.630	237.965	89.88	15.899		2.717	1.026	0.182		3.814	1.441	0.255	

RED = Uncontrolled Conditions
 C and C Services, Inc.
 Diesel Engine Emissions
 Crushing-Screening Application

Green = Controlled Conditions

Unit	Horsepower	Pollutant	Grams - hp - hr	Pounds per Hour	Hr/Yr	Tons per Year	Hr/Yr	Tons per Year
11	499	CO	2.6000	2.8602	8760	12.5278	2808	4.0158
		NOx	0.3000	0.3300	8760	1.4455	2808	0.4634
		NMHC	0.1400	0.1540	8760	0.6746	2808	0.2162
		SOx	0.9300	1.0231	8760	4.4811	2808	1.4364
		PM	0.0100	0.0110	8760	0.0482	2808	0.0154
		CO	2.6000	0.0000	8760	0.0000		0.00
		NMHC + NOx	0.0000	0.0000	8760	0.0000		0.00
		SOx	3.0000	0.0000	8760	0.0000		0.00
		PM	0.9300	0.0000	8760	0.0000		0.00
		PM	0.0100	0.0000	8760	0.0000		0.00
Horsepower >750		CO	0.0000	0.0000	8760	0.0000		0.00
		NOx	0.0000	0.0000	8760	0.0000		0.00
		NMHC	0.0000	0.0000	8760	0.0000		0.00
		SOx	0.0000	0.0000	8760	0.0000		0.00
		PM	0.0000	0.0000	8760	0.0000		0.00
		CO	0.0000	0.0000	8760	0.0000		0.00
		NMHC + NOx	0.0000	0.0000	8760	0.0000		0.00
		SOx	0.0000	0.0000	8760	0.0000		0.00
		PM	0.0000	0.0000	8760	0.0000		0.00
		Subtotals						
		CO		2.8602		12.5278		4.0158
		NOx		0.3300		1.4455		0.4634
		NMHC		0.1540		0.6746		0.2162
		NMHC + NOx		0.0000		0.0000		0.0000
		SOx		1.0231		4.4811		1.4364
		PM		0.0110		0.0482		0.0154
2808 hrs reflects 9 hrs/day; 6 days/wk; 52 wks/yr								
9 hour day is 7:00am - 4:00pm								
6 days per week is Monday thru Saturday								
Emission factors from C. of A. Table for NSPS Stationary Diesel Engines (NON_EMERGENCY)								
Engine is to meet Model Year 2011+								

FOR:**SAND AND GRAVEL/AGGREGATE PROCESSES AND OPERATIONS**

(Current policy in use – Effective November 20, 1998; Revised December 9, 1999)

This document is to serve as **a proposal to update emission factors** for equipment and operations associated with sand and gravel/aggregate processes.

Such processes include crushing, screening, conveyor transfer, loading, unloading, handling, storage, and transporting of non-metallic minerals.

Factors proposed are those considered to best represent the material utilized in the Bernalillo county, New Mexico area.

Note: Emission factors for Pulverized Mineral Processing Operations found in AP-42 Section 11.19.2 (8/04), are not addressed in this proposal. In addition, enforcement, compliance, and performance testing requirements for sand and gravel operations, as well as guidance for portable units and relocations, are also not addressed as part of this proposal.

***SOURCE REFERENCES:**

The following is a partial list of the reference material and technical reports for the target industry that were utilized in making the emission factor determinations proposed in this document:

1. Compilation of Air Pollutant Emission Factors; Volume I: Stationary Point and Area Sources AP-42; Fifth Edition; January 1995
Office of Air Quality Planning and Standards; Office of Air and Radiation; USEPA
2. AP-42 Chapter 11 – Mineral Products Industry; Section 11.12 Concrete Batching (June 2006)
3. AP-42 Chapter 11 – Mineral Products Industry; Subchapter 11.19 Construction Aggregate Processing; Section 11.19.1 – Sand and Gravel Processing (November 1995)
4. AP-42 Chapter 11 – Mineral Products Industry; Subchapter 11.19 Construction Aggregate Processing; Section 11.19.2 – Crushed Stone Processing and Pulverized Mineral Processing (August 2004)
5. AP-42 Section 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing – Response to Comments (EPA February 23, 2004 draft).
6. AP-42 Chapter 13 – Miscellaneous Sources; Subchapter 13.2 Fugitive Dust Sources (January 1995)
7. AP-42 Chapter 13 – Miscellaneous Sources; Subchapter 13.2 Fugitive Dust Sources; Section 13.2.2 – Unpaved Roads (November 2006)
8. AP-42 Chapter 13 – Miscellaneous Sources; Subchapter 13.2 Fugitive Dust Sources; Section 13.2.4 – Aggregate Handling and Storage Piles (November 2006)
9. National Oceanic and Atmospheric Association (Annual average wind speed for Albuquerque, NM)
10. AP-42 Appendix B.2 – Generalized Particle Size Distributions

* Source reference reviews for all AP-42 Chapters/Subchapters/Sections included the review of each Final Section with any associated updates and supplement reviews; associated Background Documents; and associated Related Information.

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I. BRIEF HISTORY - AP-42 Chapter 11:

The Mineral Products Industry was formerly cited as

Chapter 8 of AP-42. In 1995, a new AP-42 Chapter 11 for the Mineral Products Industry was established and incorporated the sections previously under Chapter 8. At the same time, the Inorganic Chemical Industry sections were incorporated into Chapter 8. This was part of a reformatting of AP-42.

Some of the new Chapter 11 Sections had gone through background review, revision, and update for establishing new emission factors. In the Summer/Fall of 1998, AQD staff evaluated the background information (May 11, 1994) for the revised AP-42 Section 11.19.2, Crushed Stone Processing. The purpose of the evaluation was to create a policy for Sand and Gravel/Aggregate Processes and Operations, to include specific emission factors that would be suitable to the types of material processed within the greater Albuquerque/Bernalillo county area. Consideration was also given to the climatic conditions of the region.

The result of this evaluation was the November 20, 1998 AQD policy (revised December 9, 1999).

Several of the published AP-42 factors were based on testing from limestone operations. Such factors were replaced by the AQD policy based on reference testing from granite operations.

Since that time, the EPA has conducted additional background reviews, revisions, and updates of several of the AP-42 Chapter 11 Mineral Products Industry sections, to include a revised AP-42 Section 11.19.2, Crushed Stone Processing (August 2004 revision; based on background information dated May 12, 2003).

II. COMPLIMENTARY OPERATIONS – AP-42 Chapter 13- Miscellaneous Sources: As shown in

the Source References given on page 1 of this proposal, complimentary activities that are generally included in most all operations that are permitted within the Sand and Gravel/Aggregate Processes and Operations of the mineral products industry are included for review and update in this proposal. These activities are found in both AP-42 Chapter 11, Section 11.12 – Concrete Batching and AP-42 Chapter 13 – Miscellaneous Sources and involve the particulate emissions associated with specific operations relating to non-metallic mineral stockpiles, vehicle movement, and material transport.

The emission factors in the case of unpaved roads are initially being established in the proposed policy. In all cases, the emission factors for PM_{2.5} are listed for all operations for the first time.

III. CURRENT AQD POLICY EMISSION FACTORS (revised December 9, 1999):

Process	Filterable PM (TSP) Emission Factor (lb/ton)	PM10 Emission Factor (lb/ton)	Reference AP-42 Table
Primary Crushing	0.074	0.0352 ¹	11.19.2.2 ² (1/95)
Secondary Crushing	0.059	0.0281 ¹	11.19.2.2 ² (1/95)
Screening	0.19	0.091 ¹	11.19.2.2 ² (1/95)
Transfer Points	0.0031	0.0015 ¹	11.19.2.2 ² (1/95)
Batch/Bulk Unloading	0.056	0.027 ¹	8.19.1-1 (9/85)
Aggregate Handling and Storage Piles	0.019	0.009 ¹	13.2.4 (1/95)
Unpaved Roads	-	-	13.2-2

¹ PM₁₀ emission factor was derived by dividing the TSP by 2.1 per footnote "c" of Table 11.19.2 (1/95).

² Emission factors were taken from Table 3; May 11, 1994 of the revised AP-42 Section 11.19.2, Crushed Stone Processing

IV. CURRENT SECTION 11.19.2 CRUSHED STONE PROCESSING and PULVERIZED MINERAL PROCESSING (8/04):

TABLE 11.19.2-2 (ENGLISH UNITS). EMISSION FACTORS FOR CRUSHED STONE PROCESSING OPERATIONS (lb/Ton)^a

Source ^b	Total Particulate Matter ^{r,s}	Emission Factor Rating	Total PM-10	Emission Factor Rating	Total PM-2.5	Emission Factor Rating
Primary Crushing	ND		ND ⁿ		ND ⁿ	
Primary Crushing (controlled)	ND		ND ⁿ		ND ⁿ	
Secondary Crushing	ND		ND ⁿ		ND ⁿ	
Secondary Crushing (controlled)	ND		ND ⁿ		ND ⁿ	
Tertiary Crushing	0.0054 ^d	E	0.0024 ^o	C	ND ⁿ	
Tertiary Crushing (controlled)	0.0012 ^d	E	0.00054 ^p	C	0.00010 ^q	E
Fines Crushing	0.0390 ^e	E	0.0150 ^e	E	ND	
Fines Crushing (controlled)	0.0030 ^f	E	0.0012 ^f	E	0.000070 ^q	E
Screening	0.025 ^c	E	0.0087 ⁱ	C	ND	
Screening (controlled)	0.0022 ^d	E	0.00074 ^m	C	0.000050 ^q	E
Fines Screening	0.30 ^g	E	0.072 ^g	E	ND	
Fines Screening (controlled)	0.0036 ^g	E	0.0022 ^g	E	ND	
Conveyor Transfer Point	0.0030 ^h	E	0.00110 ^h	D	ND	
Conveyor Transfer Point (controlled)	0.00014 ⁱ	E	4.6 x 10 ⁻⁵ⁱ	D	1.3 x 10 ^{-5q}	E
Wet Drilling - Unfragmented Stone	ND		8.0 x 10 ^{-5j}	E	ND	
Truck Loading – Fragmented Stone	ND		1.6 x 10 ^{-5j}	E	ND	
Truck Loading - Conveyor, crushed stone	ND		0.00010 ^k	E	ND	

Note: Emission factors shown in above table are for filterable PM, PM-10, and PM-2.5 from crushed stone processing operations. Footnote references (c – m) and (o – q) are briefly summarized to allow for a general detail of process operations and raw material throughput involved in generating the above factors.

a. Emission factors represent uncontrolled emissions unless noted. Emission factors in lb/Ton of material of throughput.

b. Controlled sources (with wet suppression) are those that are part of the processing plant that employs current wet suppression technology similar to the study group. The moisture content of the study group without wet suppression systems operating (uncontrolled) ranged from 0.21 to 1.3 percent, and the same facilities operating wet suppression systems (controlled) ranged from 0.55 to 2.88 percent. Due to carry over of the small amount of moisture required, it has been shown that each source, with the exception of crushers, does not need to employ direct water sprays. Although the moisture content was the only variable measured, other process features may have as much influence on emissions from a given source. Visual observations from each source under normal operating conditions are probably the best indicator of which emission factor is most appropriate. Plants that employ substandard control measures as indicated by visual observations should use the uncontrolled factor with an appropriate control efficiency that best reflects the effectiveness of the controls employed.

- c. Reference 1-Uncontrolled and controlled PM-10 emission factors developed from vibrating screening (granite)
Reference 3-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (granite)
Reference 7-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
Reference 8-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
- d. Reference 3-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (granite)
Reference 7-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
Reference 8-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
- e. Reference 4-Uncontrolled and controlled PM-10 emission factors developed from a fines crusher and vibrating screen (granite)
- f. Reference 4-Uncontrolled and controlled PM-10 emission factors developed from a fines crusher and vibrating screen (granite)
Reference 15-Controlled PM-10 and PM-2.5 emission factors developed from a tertiary crusher, fines crusher, conveyor transfer point, and vibrating screen operation (granite)
- g. Reference 4-Uncontrolled and controlled PM-10 emission factors developed from a fines crusher and vibrating screen (granite)
- h. Reference 5-Uncontrolled and controlled PM-10 emission factors developed from two conveyor transfer points (granite)
Reference 6-Uncontrolled and controlled PM-10 and PM emission factors developed from a conveyor transfer point (granite)
- i. Reference 5-Uncontrolled and controlled PM-10 emission factors developed from two conveyor transfer points (granite)
Reference 6-Uncontrolled and controlled PM-10 and PM emission factors developed from a conveyor transfer point (granite)
Reference 15-Controlled PM-10 and PM-2.5 emission factors developed from a tertiary crusher, fines crusher, conveyor transfer point, and vibrating screen operation (granite)
- j. Reference 11-This is the Reference 2 test that was cited in the previous AP-42 Section 8.19.2. Emission factors for several granite crushing processes (dumping to the primary crusher and secondary crushing and screening) were developed from data from 2 facilities. **The data does not meet the minimum criteria for developing emission factors for inclusion in AP-42.**
- k. Reference 12-This is the Reference 3 test that was cited in the previous AP-42 Section 8.19.2. Emission factors for several stone crushing processes (primary crushing and unloading, secondary crushing and screening, tertiary crushing and screening, fines crushing and screening, and conveying) were developed from data from 2 traprock processing facilities. **The data does not meet the minimum criteria for developing emission factors for inclusion in AP-42.**
- l. Reference 1-Uncontrolled and controlled PM-10 emission factors developed from vibrating screening (granite)
Reference 3-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (granite)
Reference 7-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
Reference 8-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
- m. Reference 1-Uncontrolled and controlled PM-10 emission factors developed from vibrating screening (granite)
Reference 3-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (granite)
Reference 7-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
Reference 8-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
Reference 15-Controlled PM-10 and PM-2.5 emission factors developed from a tertiary crusher, fines crusher, conveyor transfer point, and vibrating screen operation (granite)
- n. No data available, but emission factors for PM-10 for tertiary crushers can be used as an upper limit for primary/secondary crushing
- o. Reference 2- Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing (granite)
Reference 3-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (granite)
Reference 7-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
Reference 8-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
- p. Reference 2- Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing (granite)
Reference 3-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (granite)
Reference 7-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
Reference 8-Uncontrolled and controlled PM-10 emission factors developed from tertiary crushing and vibrating screen (limestone)
Reference 15-Controlled PM-10 and PM-2.5 emission factors developed from a tertiary crusher, fines crusher, conveyor transfer point, and vibrating screen operation (granite)
- q. Reference 15-Controlled PM-10 and PM-2.5 emission factors developed from a tertiary crusher, fines crusher, conveyor transfer point, and vibrating screen operation (granite)
- r. PM emission factors are presented based on PM-100 data in the Background Support Document for Section 11.19.2
- s. Emission factors for PM-30 and PM-50 are available in Figures 11.19.2-3 through 11.19.2-6

Note: Truck Unloading – Conveyor, crushed stone was corrected to Truck Loading – Conveyor, crushed stone (October 1, 2010)

V. AVERAGE MOISTURE AND SILT CONTENTS OF MATERIALS TESTED

The following table illustrates the typical percent moisture and silt (- 75 µm) content associated with the various referenced tests. A parallel is to be determined when providing proposed emission factors for material handling and unpaved roadway activities.

Reference #	Material Tested ¹	Equipment Tested ²	% Moisture Content ³	% Silt Content ⁴	Notes
1	granite	VS	0.48, 1.57	3.35 dry	
2	granite	TC	0.44, 1.77	-	
3	granite	TC ; VS	0.70, 1.78 ; 0.70, 1.78	3.3 wet; 4.0 dry	
4	granite	FC ; VS (fines)	0.97, 1.92 ; <1.5, 1.68	-	
5	granite	CTP	0.27, <u>0.66</u> , 0.33, <u>1.11</u>	1.4 dry & 2.4 dry	Bold/Underline are moisture controlled test averages.
6	granite	CTP	0.29, <u>2.62</u>	2.2 dry	Bold/Underline are moisture controlled test averages.
7	limestone	TC ; VS	0.88, 2.07 ; 0.88, 2.07	1.8	Wet or dry % silt not specified.
8	limestone	TC ; VS	0.67, 1.44 ; 0.67, 1.44	3.25	Wet or dry % silt not specified.
11	granite				
12	granite				
15	granite	VS ; TC ; FC ; CTP	0.45; 1.02; 0.72; 0.72	2.18	All operations were moisture controlled tests. Wet or dry % silt not specified.

¹ Available data indicate that PM-10 and PM2.5 emissions from limestone and granite processing operations are similar. Therefore, the emission factors developed from the emissions data gathered at limestone and granite processing facilities are considered to be representative of typical crushed stone processing operations. [AP-42 Section 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing; Subsection 11.19.2.2 – Emissions and Controls (Crushed Stone Processing) 8/04]

² VS-Vibrating Screen; TC-Tertiary Crushing; FC-Fines Crushing; CTP-Conveyor Transfer Point

³ Average Material Moisture Content (<1.5% indicates uncontrolled and ≥1.5% indicates controlled emissions unless otherwise noted.)

⁴ Sieve analyses were conducted from wet samples during process operations and after drying samples. The percent silt content reflects average of samples tested.

NOTE: Each reference test above included three test runs for each process tested. The average of the average uncontrolled moisture tests (red numbers; assume the <1.5 is 1.49 for most conservative average) is 0.6746% moisture. Therefore, for proposed uncontrolled emission factors, **0.7%** moisture content is to be used in equations for aggregate handling and storage [the use of this moisture content parallels the mean for stone quarrying and processing of crushed limestone found in Table 13.2.4-1 of AP-42 Chapter 13 – Miscellaneous Sources; Subchapter 13.2 Fugitive Dust Sources; Section 13.2.4 – Aggregate Handling and Storage Piles (November 2006)]. This would generate conservative factors in the equations for this category (see Section VI, page 7 of 11).

Above reference tests also indicate average silt contents of ≤ 4.0% for all test runs. The same Table 13.2.4-1 provides a mean silt content of 3.9 % for various limestone products. This coincides with an AP-42 Section 13.2.2 Unpaved Roads – Related Information document that provides a Surface Material Silt content by state (12/03). Such values have been used in preparation of National Emission Inventories, where locally available (site specific values) are not provided. For New Mexico, the value given is 3.9%. Therefore, a silt content of **3.9%** is being used for the purpose of establishing proposed factors for unpaved roadways (see Section VII, page 8 of 11).

VI. AGGREGATE HANDLING AND STORAGE PILES

AP-42 Section 13.2.4 - Aggregate Handling and Storage Piles (11/06) contains information and an equation to provide an emission factor that can be utilized for several distinct source activities.

Subsections 13.2.4.1 General, and 13.2.4.2 Emissions and Correction Parameters discuss the type of activities that can generate dust emissions and that the potential for dust emission is at its maximum when materials are initially loaded onto a storage pile. Potential for dust emission is reduced as the pile weathers and ages. The percentage of fine material, specifically silt which is classified as particles of a size ≤ 75 microns, also has a determining factor on dust emission from handling and storage operations.

Subsection 13.2.4.3 Predictive Emission Factor Equations expands the description of activities associated under aggregate handling and storage as:

- 1) Loading of aggregate onto storage piles (batch or continuous drop operations).
- 2) Equipment traffic in storage area.
- 3) Wind erosion of pile surfaces and ground areas around piles.
- 4) Loadout of aggregate for shipment or for return to the process stream (batch or continuous drop operations).

The subsection goes on to say that either adding aggregate material to a storage pile or removing it usually involves dropping the material onto a receiving surface. Truck dumping on the pile or loading out from the pile to a truck with a front-end loader are examples of batch drop operations. Adding material to a pile by a conveyor stacker is an example of a continuous drop operation.

The equation below may be used for either of the above mentioned drop operations. **Therefore, it is being proposed that the following equation be used for Batch/Bulk Unloading and Loading operations (includes loading into trucks, storage bins, hoppers, etc.) as well as storage pile formation and associated activities. Since an actual wind speed value for Albuquerque is used in the equation along with a low moisture content, the subsequent emission factors are considered conservative for all these operations.**

$$E = k (0.0032) [U/5]^{1.3} \text{ lb/ton} \\ [M/2]^{1.4}$$

Where: E = emission factor

k = particle size multiplier (dimensionless) (<30um k = 0.74; <10 um k = 0.35; <2.5 um k = 0.053)
U = mean wind speed (8.9 mph – NOAA data for Albuquerque through 2011 provided by AQD/SBAP)
M = material moisture content (Table 13.2.4-1 : 0.7% from Stone quarrying & Processing)

$$E = [(0.74)(0.0032)] \times [(8.9/5)^{1.3} / (0.7/2)^{1.4}] \\ = [0.00237] \times [2.1161 / 0.23] \\ = [0.00237] \times [9.2004] = 0.0218 \text{ lb/ton (<30um) (TSP)(PM)}$$

$$E = [(0.35)(0.0032)] \times [(8.9/5)^{1.3} / (0.7/2)^{1.4}] \\ = [0.00112] \times [2.1161 / 0.23] \\ = [0.00112] \times [9.2004] = 0.0103 \text{ lb/ton (<10um) (PM10)}$$

$$E = [(0.053)(0.0032)] \times [(8.9/5)^{1.3} / (0.7/2)^{1.4}] \\ = [0.00017] \times [2.1161 / 0.23] \\ = [0.00017] \times [9.2004] = 0.0016 \text{ lb/ton (<2.5um) (PM2.5)}$$

NOTE: Therefore, it is proposed that above emission factors are to be used for uncontrolled emissions when actual moisture content is not available. Wind speed may be updated on an annual basis.

VIII. AGGREGATE TRANSFER, SAND TRANSFER, AND WEIGH HOPPER LOADING ASSOCIATED WITH CONCRETE BATCHING OPERATIONS

AP-42 Section 11.12 – Concrete Batching (6/06), establishes emission factors for materials (aggregate, sand, cement, cement supplement) associated with the production of concrete. It is with the emission factors for aggregate transfer, sand transfer and weigh hopper loading that this proposal has associated a potential connection for including these emission factors in the Sand and Gravel/Aggregate Processes and Operations Policy.

Such non-metallic mineral operations as concrete batching, asphalt paving, and special sands production involve processes that utilize the same stockpiles of sands and aggregates. Some differences associated with each operation involve material size, percent of each size material making up a specific mix design, washed versus unwashed materials, etc.

In the case of PM and PM₁₀ emission factors for aggregate and sand transfer for concrete batching operations, it is footnoted that the factors were based on the equation from AP-42 Chapter 13 – Miscellaneous Sources; Section 13.2.4 - Aggregate Handling and Storage Piles (11/06). Aggregate and sand moisture contents used in the equation were taken from the report of test results published in the development of emission factors for concrete batching in June 2006. In addition, a wind speed of 10 miles per hour was selected for use in generating the emission factors (see attached selected pages of report). PM_{2.5} factors were not published in the 2006 report and, therefore, are not part of the AP-42 Chapter 11 – Mineral Products Industry; Section 11.12 - Concrete Batching (6/06) emission tables. **This proposal will suggest factors to be used for PM, PM₁₀, and PM_{2.5} for concrete batching operations that are specific to sand and gravel.**

$$E = k (0.0032) \frac{[U/5]^{1.3}}{[M/2]^{1.4}} \text{ lb/ton}$$

Where: E = emission factor

k = particle size multiplier (dimensionless) (<30um k = 0.74; <10 um k = 0.35; <2.5 um k = 0.053)
U = mean wind speed (8.9 mph – NOAA data for Albuquerque through 2011 provided by AQD/SBAP)
M = material moisture content (1.77% for aggregate; 4.17% for sand - see June 2006 report attachment for concrete batching operations); unless actual values are available

$$\begin{aligned} E &= [(0.74)(0.0032)] \times [(8.9/5)^{1.3} / (1.77/2)^{1.4}] \\ &= [0.00237] \times [2.1161 / 0.8428] \\ &= [0.00237] \times [2.5108] &= 0.006 \text{ lb/ton (<30um) (TSP or Total PM) - AGGREGATE} \end{aligned}$$

$$\begin{aligned} E &= [(0.35)(0.0032)] \times [(8.9/5)^{1.3} / (1.77/2)^{1.4}] \\ &= [0.00112] \times [2.1161 / 0.8428] \\ &= [0.00112] \times [2.5108] &= 0.0028 \text{ lb/ton (<10um) (PM10) - AGGREGATE} \end{aligned}$$

$$\begin{aligned} E^1 &= [(0.053)(0.0032)] \times [(8.9/5)^{1.3} / (1.77/2)^{1.4}] \\ &= [0.00017] \times [2.1161 / 0.8428] \\ &= [0.00017] \times [2.5108] &= 0.0004 \text{ lb/ton (<2.5um) (PM2.5) - AGGREGATE} \end{aligned}$$

¹Note: the 0.053 particle size multiplier for PM_{2.5} was established in the *Background Document for Revisions to Fine Fraction Ratios Used for AP-42 Fugitive Dust Emission Factors (2/06; finalized 11/06)*. This document is attached as a reference to this policy update, and since it was instrumental in developing an equation for the PM_{2.5} emission for Section 13.2.4 – Aggregate Handling and Storage Piles (11/06), it is being used in this policy update for use in the Concrete Batching emission factors for PM_{2.5}.

Therefore, it is proposed that above emission factors (as well as those for SAND on page 10 of 11) be used unless actual moisture contents are available. Wind speed may be updated on an annual basis.

**VIII. AGGREGATE TRANSFER, SAND TRANSFER, AND WEIGH HOPPER LOADING
ASSOCIATED WITH CONCRETE BATCHING OPERATIONS [CONTINUED]**

$$\begin{aligned} E &= [(0.74)(0.0032)] \times [(8.9/5)^{1.3} / (4.17/2)^{1.4}] \\ &= [0.00237] \times [2.1161 / 2.7974] \\ &= [0.00237] \times [0.7565] &= 0.0018 \text{ lb/ton } (<30\mu\text{m}) \text{ (TSP or Total PM) - SAND} \end{aligned}$$

$$\begin{aligned} E &= [(0.35)(0.0032)] \times [(8.9/5)^{1.3} / (4.17/2)^{1.4}] \\ &= [0.00112] \times [2.1161 / 2.7974] \\ &= [0.00112] \times [0.7565] &= 0.0009 \text{ lb/ton } (<10\mu\text{m}) \text{ (PM}_{10}\text{) - SAND} \end{aligned}$$

$$\begin{aligned} E^1 &= [(0.053)(0.0032)] \times [(8.9/5)^{1.3} / (4.17/2)^{1.4}] \\ &= [0.0002] \times [2.1161 / 2.7974] \\ &= [0.00017] \times [0.7565] &= 0.0001 \text{ lb/ton } (<2.5\mu\text{m}) \text{ (PM}_{2.5}\text{) - SAND} \end{aligned}$$

IX. SUMMARY Based on the reviews of all the reference documents, updates, supplements, and

background information related to sand and gravel type operations and uses, it appears that the currently published AP-42 emission factors are appropriate for introduction by the air quality division for use with determining emissions from associated operations in Bernalillo county.

The reference test results from the mid 2000's appear to have had an improved level of control, compared to changes made to similar emission factors by the testing performed in the mid 1990's.

In the case of crushing operations, it appears that tertiary crushing will cover the usual type of operations found in the sand and gravel industry in Bernalillo county. The tertiary crushing reference testing describes the crushing of aggregate consisting of sizes less than and equal to four inches in diameter ($\leq 4''$), down to sizes of (-) 3/8" in diameter.

Also, the test reports describe the multi deck screening operations as having the top deck maximum screen opening of 1.25 inches. Aggregates used in the sand and gravel industry to include concrete batching, asphalt paving, subgrade materials for roadways, etc., all use mix designs that will mainly call for gradations of approximately (-) 1.0 inch material.

Providing a generic factor to be available for use for unpaved roadways will allow for an expedient emission rate to be applied as a rough analysis at a pending operation, or perhaps as an actual submittal for air quality permitting requirements.

Use of available local information relating to wind speed and material moisture and silt content allows the air quality division, as well as the regulated community, to utilize the equations and methodology brought forward in this proposal to generate emission factors that are subject to change as actual on site information is made available so that emission factors do not remain stagnant over long periods of time. The overall goal in decision making in updating existing policies is to provide a better representation of actual conditions.

The following Section X table summarizes the proposed new emission factors to be incorporated into a new policy for Sand and Gravel/Aggregate Processes and Operations.

X. PROPOSED UNCONTROLLED EMISSION FACTORS FOR SAND AND GRAVEL/AGGREGATE

PROCESSES AND OPERATIONS

Process	AP-42 Section	Table	PM ^a	PM10 ^a	PM2.5 ^a
Primary Crushing	11.19.2 Crushed Stone Processing	11.19.2-2	-	- ^e	-
Secondary Crushing	11.19.2 Crushed Stone Processing	11.19.2-2	-	- ^e	-
Tertiary Crushing	11.19.2 Crushed Stone Processing	11.19.2-2	0.0054	0.0024	0.0008 ^c
Fines Crushing	11.19.2 Crushed Stone Processing	11.19.2-2	0.0390	0.0150	0.0077 ^d
Screening	11.19.2 Crushed Stone Processing	11.19.2-2	0.025	0.0087	0.0030 ^c
Fines Screening	11.19.2 Crushed Stone Processing	11.19.2-2	0.30	0.072	0.0367 ^d
Conveyor Transfer Point	11.19.2 Crushed Stone Processing	11.19.2-2	0.0030	0.00110	0.0004 ^c
Batch/Bulk Unloading/Loading	11.19.2 Crushed Stone Processing	11.19.2-2	0.0218	0.0103	0.0016
Aggregate Handling & Storage Piles	13.2.4 Aggregate Handling & Storage Piles	Eq. (1)	0.0218	0.0103	0.0016
Unpaved Roads	13.2.2 Unpaved Roads	Eq. (1a)	6.05 ^b	1.5 ^b	0.15 ^b
Aggregate Transfer	11.12 Concrete Batching	11.12-2	0.006	0.0028	0.0004
Sand Transfer	11.12 Concrete Batching	11.12-2	0.0018	0.0009	0.0001
Weigh Hopper Loading	11.12 Concrete Batching	11.12-2	0.0041	0.0020	0.0003

^a emissions are in lbs per ton processed unless otherwise noted.

^b emissions are in lbs per vehicle mile traveled

^c factor determined by use of AP-42 Appendix B.2 – Generalized Particle Size Distributions. Category 3 for mechanically generated emissions from aggregate and unprocessed ores. Maximum value for PM_{2.5} as 35% of the PM₁₀.

^d factor determined by use of AP-42 Appendix B.2 – Generalized Particle Size Distributions. Category 4 for mechanically generated emissions from processed ores and nonmetallic minerals. Maximum value for PM_{2.5} as 51% of the PM₁₀. This category was chosen as more conservative factor for fines crushing and screening.

^e See footnote “n” on page 5 of 11 for Table 11.19.2-2 (English Units). Emission Factors For Crushed Stone Processing Operations

XI. CONCLUSION

It is recommended that the uncontrolled emission factors given in this proposed policy document be adopted by the air quality division.

All the factors are taken from the most currently updated AP-42 Sections relating to sand and gravel type industry and operations.

Those proposed factors that are not quite similar to the published AP-42 factors are justified for use in that the same formulas were used to generate the factors by applying local, available information and utilizing generic data that allows for a conservative approach.

Lopez, Angela

From: Eyerman, Regan V.
Sent: Monday, June 06, 2016 3:37 PM
To: Lopez, Angela; Tavarez, Isreal L.
Subject: RE: Request for a Waiver from a pre-application meeting

Hi Angela,
Your request for a waiver from a pre-application meeting for C&C Services is granted.

Thank you,
Regan Eyerman, P.E.
Environmental Health Scientist
City of Albuquerque, Air Quality Program
505-767-5625

From: Lopez, Angela
Sent: Monday, June 06, 2016 3:16 PM
To: Eyerman, Regan V.; Tavarez, Isreal L.
Subject: Request for a Waiver from a pre-application meeting

Hello Regan and Isreal,

I wanted to request a waiver from requesting a pre-application meeting regarding my client C&C Services for a proposed crushing and screening unit to be located at 2901 2nd Street SW, 87105. If you have any questions or need any additional information, please let me know.

Thank you,

Angela Lopez

Environmental Health Supervisor
Small Business Assistance Program
Air Quality Program

Phone: (505) 768-1962

Fax: (505) 768-1977

Email: angelalopez@cabq.gov

Mailing Address:

P. O. Box 1293
Albuquerque, NM 87103

Physical Address:

1 Civic Plaza NW
City/County Building
3rd Floor, Room 3047



City of Albuquerque

Environmental Health Department

Air Quality Program



Permit Application Checklist

Any person seeking a permit under 20.11.41 NMAC, Authority-to-Construct Permits, shall do so by filing a written application with the Department. Prior to ruling a submitted application complete each application submitted shall contain the required items listed below. **This checklist must be returned with the application.**

Applications that are ruled incomplete because of missing information will delay any determination or the issuance of the permit. The Department reserves the right to request additional relevant information prior to ruling the application complete in accordance with 20.11.41 NMAC.

All applicants shall:

1. Fill out and submit the *Pre-permit Application Meeting Request* form
 - a. Attach a copy to this application
2. Attend the pre-permit application meeting
 - a. Attach a copy of the completed *Pre-permit Application Meeting Checklist* to this application
3. Provide public notice to the appropriate parties
 - a. Attach a copy of the completed *Notice of Intent to Construct* form to this form
 - i. Neighborhood Association(s): San Jose N.A., South Valley Coalition of N.A.'s, Southwest Alliance of Neighbors, and Westside Coalition of Neighborhood Associations
 - ii. Coalition(s): Mountain View Community Action, Mountain View N.A., and South Valley Alliance
 - b. Attach a copy of the completed *Public Sign Notice Guideline* form:
4. Fill out and submit the *Permit Application*. All applications shall:
 - A. be made on a form provided by the Department. Additional text, tables, calculations or clarifying information may also be attached to the form.
 - B. at the time of application, include documentary proof that all applicable permit application review fees have been paid as required by 20 NMAC 11.02. Please refer to the attached permit application worksheet.
 - C. contain the applicant's name, address, and the names and addresses of all other owners or operators of the emission sources.

- D. contain the name, address, and phone number of a person to contact regarding questions about the facility.
- E. indicate the date the application was completed and submitted
- F. contain the company name, which identifies this particular site.
- G. contain a written description of the facility and/or modification including all operations affecting air emissions.
- H. contain the maximum and standard operating schedules for the source after completion of construction or modification in terms of hours per day, days per week, and weeks per year.
- I. provide sufficient information to describe the quantities and nature of any regulated air contaminant (including any amount of a hazardous air pollutant) that the source will emit during:
- Normal operation
 - Maximum operation
 - Abnormal emissions from malfunction, start-up and shutdown
- J. include anticipated operational needs to allow for reasonable operational scenarios to avoid delays from needing additional permitting in the future.
- K. contain a map, such as a 7.5-minute USGS topographic quadrangle, showing the exact location of the source; and include physical address of the proposed source. (Attached is a Google Map with physical address of proposed source)
- L. contain an aerial photograph showing the proposed location of each process equipment unit involved in the proposed construction, modification, relocation, or technical revision of the source except for federal agencies or departments involved in national defense or national security as confirmed and agreed to by the department in writing.
- M. contain the UTM zone and UTM coordinates.
- N. include the four digit Standard Industrialized Code (SIC) and the North American Industrial Classification System (NAICS).
- O. contain the types and **potential emission rate** amounts of any regulated air contaminants the new source or modification will emit. Complete appropriate sections of the application; attachments can be used to supplement the application, but not replace it.
- P. contain the types and **controlled** amounts of any regulated air contaminants the new source or modification will emit. Complete appropriate sections of the application; attachments can be used to supplement the application, but not replace it.

- Q. contain the basis or source for each emission rate (include the manufacturer's specification sheets, AP-42 Section sheets, test data, or other data when used as the source).
- R. contain all calculations used to estimate **potential emission rate** and **controlled emissions**.
- S. contain the basis for the estimated control efficiencies and sufficient engineering data for verification of the control equipment operation, including if necessary, design drawings, test reports, and factors which affect the normal operation (e.g. limits to normal operation).
- T. contain fuel data for each existing and/or proposed piece of fuel burning equipment.
- U. contain the anticipated maximum production capacity of the entire facility and the requested production capacity after construction and/or modification.
- V. contain the stack and exhaust gas parameters for all existing and proposed emission stacks.
- W. provide an ambient impact analysis using a atmospheric dispersion model approved by the US Environmental Protection Agency (EPA), and the Department to demonstrate compliance with the ambient air quality standards for the City of Albuquerque and Bernalillo County (See 20.11.01 NMAC). If you are modifying an existing source, the modeling must include the emissions of the entire source to demonstrate the impact the new or modified source(s) will have on existing plant emissions.
- X. contain a preliminary operational plan defining the measures to be taken to mitigate source emissions during malfunction, startup, or shutdown.
- Y. contain a process flow sheet, including a material balance, of all components of the facility that would be involved in routine operations. Indicate all emission points, including fugitive points.
- Z. contain a full description, including all calculations and the basis for all control efficiencies presented, of the equipment to be used for air pollution control. This shall include a process flow sheet or, if the Department so requires, layout and assembly drawings, design plans, test reports and factors which affect the normal equipment operation, including control and/or process equipment operating limitations.
- AA. contain description of the equipment or methods proposed by the applicant to be used for emission measurement.
- BB. be signed under oath or affirmation by a corporate officer, authorized to bind the company into legal agreements, certifying to the best of his or her knowledge the truth of all information submitted.



Richard J. Berry, Mayor

Environmental Health Department

Air Quality Program

Interoffice Memorandum



Mary Lou Leonard, Director

TO: LUIS TARIN, OWNER, C & C SERVICES
FROM: ELIZABETH YEPEZ, PROGRAM SPECIALIST
SUBJECT: DETERMINATION OF NEIGHBORHOOD ASSOCIATIONS AND COALITIONS WITHIN 0.5 MILES OF 2901 2ND ST. SW, ALBUQUERQUE, NM 87105
DATE: 5/24/16

DETERMINATION:

On 5/24/16 I used the City of Albuquerque Zoning Advanced Map Viewer (<http://sharepoint.cabq.gov/gis>) to review which City of Albuquerque (COA) Neighborhood Associations (NAs) and Neighborhood Coalitions (NCs) are located within 0.5 miles of 2901 2nd St. SW, Albuquerque in Bernalillo County, NM.

I then used the City of Albuquerque Office of Neighborhood Coordination's Monthly Master NA List dated May 4, 2016 and the Bernalillo County Monthly Neighborhood Association May 2016 Excel file to determine the contact information for each NA and NC located within 0.5 miles of 2901 2nd St. SW, Albuquerque in Bernalillo County, NM.

Duplicates have been deleted. They are as follows:

From <http://sharepoint.cabq.gov/gis> using the zoning advanced map viewer and the list of NAs and NCs from CABQ Office of Neighborhood Coordination:

COA Association or Coalition	Name	Email or Mailing Address
San Jose N.A.	Deanna Baca	bacadeanna@gmail.com
San Jose N.A.	Olivia Greathouse	408 Bethel Dr. SE Albuquerque, NM 87102
San Jose N.A.	N.A. Email	snase@gmail.com
South Valley Coalition of N.A.'s	Rod Mahoney	rmahoney01@comcast.net
South Valley Coalition of N.A.'s	Marcia Fernandez	mbfernandez1@gmail.com
Southwest Alliance of Neighbors	Johnny Pena	johnnyepena@comcast.net
Southwest Alliance of Neighbors	Jerry Gallegos	jgallegos@ydinm.org
Westside Coalition of N.A.'s	Harry Hendriksen	hlhen@comcast.net
Westside Coalition of N.A.'s	Rene Horvath	Aboard10@juno.com

From <http://sharepoint.cabq.gov/gis> using the zoning advanced map viewer and the list of NAs and NCs from County of Bernalillo:

BC Association or Coalition	Name	Email or Mailing Address
Mountain View Community Action	Marla Painter	marladesk@gmail.com
Mountain View Community Action	Josie Lopez	240 Valley High St. SW Albuquerque, NM 87105
Mountain View N.A.	Nora Garcia	ngarcia49@yahoo.com
Mountain View N.A.	Lauro Silva	alcoat1944@gmail.com
South Valley Alliance	Sara Newton Juarez	snjart@yahoo.com
South Valley Alliance	Zoe Economou	zoecon@unm.edu



Notice of Intent to Construct



Under 20.11.41.13B NMAC, the owner/operator is required to provide public notice by certified mail or electronic mail to the designated representative(s) of the recognized neighborhood associations and recognized coalitions that are within one-half mile of the exterior boundaries of the property on which the source is or is proposed to be located if they propose to construct or establish a new facility or make modifications to an existing facility that is subject to 20.11.41 NMAC – Construction Permits. **A copy of this form must be included with the application.**

Applicant's Name and Address: Luis Tarin, 2901 2nd Street SW, Albuquerque, NM 87105

Owner / Operator's Name and Address: Luis Tarin, Owner, 2901 2nd Street SW, Albuquerque, NM 87105

Actual or Estimated Date the Application will be submitted to the Department: Early August 2016

Exact Location of the Source or Proposed Source: 2901 2nd Street SW, Albuquerque, NM 87105

Description of the Source: On site storage of construction demolition materials

Nature of the Business: Demoliton Contractor

Process or Change for which the permit is requested: C & C Services is applying for an initial construction permit for the installation and operation of one portable (1) 300 ton per hour crushing and screening unit that will be powered by a 499hp diesel engine.

Preliminary Estimate of the Maximum Quantities of each regulated air contaminant the source will emit:

Net Changes In Emissions

(Only for permit Modifications or Technical Revisions)

Initial Construction Permit

	Pounds Per Hour (lbs/hr)	Tons Per Year (tpy)
CO	2.86	4.02
NOx	0.33	0.46
SO2	1.02	1.44
VOC	0.15	0.22
TSP	2.73	3.83
PM10	1.04	1.46
PM2.5	0.19	0.27
VHAP	N/A**	N/A**

	lbs/hr	tpy	Estimated Total TPY
CO			
NOx			
SO2			
VOC			
TSP			
PM10			
PM2.5			
VHAP			

** Not Applicable

Maximum Operating Schedule: 2808 hours per year

Normal Operating Schedule: 2808 hours per year

Current Contact Information for Comments and Inquires:

Name: Luis Tarin, Owner

Address: 2901 2nd Street SW, Albuquerque, NM 87105

Ver.11/13

City of Albuquerque- Environmental Health Department
Air Quality Program- Permitting Section

Phone: (505) 768-1972

Email: aqd@cabq.gov

Phone Number: (505) 280-1730

E-Mail Address: candcservices@live.com

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

Environmental Health Manager

Stationary Source Permitting

Albuquerque Environmental Health Department

Air Quality Program

PO Box 1293

Albuquerque, New Mexico 87103

(505) 768-1972

Other comments and questions may be submitted verbally.

Please refer to the company name and facility 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. Please include a legible mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, if required, the Department's notice will be published in the legal section of the Albuquerque Journal and mailed to neighborhood associations and neighborhood coalitions near the facility location or near the facility proposed location.

Lopez, Angela

From: Lopez, Angela
Sent: Tuesday, August 09, 2016 9:58 AM
To: bacadeanna@gmail.com; sjnase@gmail.com
Subject: Notice of Intent to Construct
Attachments: Notice of Intent to Construct.pdf

Dear Ms. Deanna Baca, President and Ms. Olivia Greathouse, Vice President of the San Jose Neighborhood Association,

The newly revised local air quality Construction Permit regulation 20.11.41 NMAC requires that designated representatives of recognized neighborhood associations and coalitions within one-half mile of a facility proposing to apply for an air quality permit, modification or technical permit revision be notified in advance of the permit application.

Please see the attached Notice of Intent to Construct form. If you have any comments or questions, please do not hesitate to contact me.

Angela Lopez

Environmental Health Supervisor
Small Business Assistance Program
Air Quality Program

Phone: (505) 768-1962

Fax: (505) 768-1977

Email: angelalopez@cabq.gov

Mailing Address:

P. O. Box 1293
Albuquerque, NM 87103

Physical Address:

1 Civic Plaza NW
City/County Building
3rd Floor, Room 3047

Lopez, Angela

From: Lopez, Angela
Sent: Tuesday, August 09, 2016 10:00 AM
To: rmahoney01@comcast.net; mbfernandez1@gmail.com
Cc: 'candcservices@live.com'
Subject: Notice of Intent to Construct
Attachments: Notice of Intent to Construct.pdf

Dear Mr. Rod Mahoney, President and Ms. Marcia Fernandez, Vice President of the South Valley Coalition of Neighborhood Associations,

The newly revised local air quality Construction Permit regulation 20.11.41 NMAC requires that designated representatives of recognized neighborhood associations and coalitions within one-half mile of a facility proposing to apply for an air quality permit, modification or technical permit revision be notified in advance of the permit application.

Please see the attached Notice of Intent to Construct form. If you have any comments or questions, please do not hesitate to contact me.

Angela Lopez

Environmental Health Supervisor
Small Business Assistance Program
Air Quality Program

Phone: (505) 768-1962

Fax: (505) 768-1977

Email: angelalopez@cabq.gov

Mailing Address:

P. O. Box 1293
Albuquerque, NM 87103

Physical Address:

1 Civic Plaza NW
City/County Building
3rd Floor, Room 3047

Lopez, Angela

From: Lopez, Angela
Sent: Tuesday, August 09, 2016 10:03 AM
To: 'johnnyepena@comcast.net'; 'jgallegos@ydinm.org'
Cc: 'candcservices@live.com'
Subject: Notice of Intent to Construct
Attachments: Notice of Intent to Construct.pdf

Dear Mr. Johnny Pena, President and Mr. Jerry Gallegos, Vice President of the Southwest Alliance of Neighbors,

The newly revised local air quality Construction Permit regulation 20.11.41 NMAC requires that designated representatives of recognized neighborhood associations and coalitions within one-half mile of a facility proposing to apply for an air quality permit, modification or technical permit revision be notified in advance of the permit application.

Please see the attached Notice of Intent to Construct form. If you have any comments or questions, please do not hesitate to contact me.

Angela Lopez

Environmental Health Supervisor
Small Business Assistance Program
Air Quality Program

Phone: (505) 768-1962

Fax: (505) 768-1977

Email: angelalopez@cabq.gov

Mailing Address:

P. O. Box 1293
Albuquerque, NM 87103

Physical Address:

1 Civic Plaza NW
City/County Building
3rd Floor, Room 3047

Lopez, Angela

From: Lopez, Angela
Sent: Tuesday, August 09, 2016 10:06 AM
To: hlhen@comcast.net; 'Aboard10@juno.com'
Cc: 'candcservices@live.com'
Subject: Notice of Intent to Construct
Attachments: Notice of Intent to Construct.pdf

Dear Mr. Harry Hendriksen, President and Rene Horvath, Vice President of the Westside Coalition of Neighborhood Associations,

The newly revised local air quality Construction Permit regulation 20.11.41 NMAC requires that designated representatives of recognized neighborhood associations and coalitions within one-half mile of a facility proposing to apply for an air quality permit, modification or technical permit revision be notified in advance of the permit application.

Please see the attached Notice of Intent to Construct form. If you have any comments or questions, please do not hesitate to contact me.

Angela Lopez

Environmental Health Supervisor
Small Business Assistance Program
Air Quality Program

Phone: (505) 768-1962

Fax: (505) 768-1977

Email: angelalopez@cabq.gov

Mailing Address:

P. O. Box 1293
Albuquerque, NM 87103

Physical Address:

1 Civic Plaza NW
City/County Building
3rd Floor, Room 3047

Lopez, Angela

From: Lopez, Angela
Sent: Tuesday, August 09, 2016 10:09 AM
To: marladesk@gmail.com
Cc: 'candcservices@live.com'
Subject: Notice of Intent to Construct
Attachments: Notice of Intent to Construct.pdf

Dear Ms. Marla Painter, President and Ms. Josie Lopez, Vice President of the Mountain View Neighborhood Associations,

The newly revised local air quality Construction Permit regulation 20.11.41 NMAC requires that designated representatives of recognized neighborhood associations and coalitions within one-half mile of a facility proposing to apply for an air quality permit, modification or technical permit revision be notified in advance of the permit application.

Please see the attached Notice of Intent to Construct form. If you have any comments or questions, please do not hesitate to contact me.

Angela Lopez

Environmental Health Supervisor
Small Business Assistance Program
Air Quality Program

Phone: (505) 768-1962

Fax: (505) 768-1977

Email: angelalopez@cabq.gov

Mailing Address:

P. O. Box 1293
Albuquerque, NM 87103

Physical Address:

1 Civic Plaza NW
City/County Building
3rd Floor, Room 3047

Lopez, Angela

From: Lopez, Angela
Sent: Tuesday, August 09, 2016 10:10 AM
To: ngarcia49@yahoo.com; acolbert44@gmail.com
Cc: 'candcservices@live.com'
Subject: Notice of Intent to Construct
Attachments: Notice of Intent to Construct.pdf

Dear Ms. Nora Garcia, President and Lauro Silva, Vice President of the Mountain View Neighborhood Association,

The newly revised local air quality Construction Permit regulation 20.11.41 NMAC requires that designated representatives of recognized neighborhood associations and coalitions within one-half mile of a facility proposing to apply for an air quality permit, modification or technical permit revision be notified in advance of the permit application.

Please see the attached Notice of Intent to Construct form. If you have any comments or questions, please do not hesitate to contact me.

Angela Lopez

Environmental Health Supervisor
Small Business Assistance Program
Air Quality Program

Phone: (505) 768-1962

Fax: (505) 768-1977

Email: angelalopez@cabq.gov

Mailing Address:

P. O. Box 1293
Albuquerque, NM 87103

Physical Address:

1 Civic Plaza NW
City/County Building
3rd Floor, Room 3047

Lopez, Angela

From: Lopez, Angela
Sent: Tuesday, August 09, 2016 10:12 AM
To: snjart@yahoo.com; zoecon@unm.edu
Cc: 'candcservices@live.com'
Subject: Notice of Intent to Construct
Attachments: Notice of Intent to Construct.pdf

Dear Ms. Sara Newton Juarez, President and Ms. Zoe Economou, Vice President of the South Valley Alliance,

The newly revised local air quality Construction Permit regulation 20.11.41 NMAC requires that designated representatives of recognized neighborhood associations and coalitions within one-half mile of a facility proposing to apply for an air quality permit, modification or technical permit revision be notified in advance of the permit application.

Please see the attached Notice of Intent to Construct form. If you have any comments or questions, please do not hesitate to contact me.

Angela Lopez

Environmental Health Supervisor
Small Business Assistance Program
Air Quality Program

Phone: (505) 768-1962

Fax: (505) 768-1977

Email: angelalopez@cabq.gov

Mailing Address:

P. O. Box 1293
Albuquerque, NM 87103

Physical Address:

1 Civic Plaza NW
City/County Building
3rd Floor, Room 3047



Notice of Intent to Construct

Under 20.11.41.13B NMAC, the owner/operator is required to *provide public notice by certified mail or electronic mail to the designated representative(s) of the recognized neighborhood associations and recognized coalitions that are with-in one-half mile of the exterior boundaries of the property on which the source is or is proposed to be located* if they propose to construct or establish a new facility or make modifications to an existing facility that is subject to 20.11.41 NMAC – Construction Permits. **A copy of this form must be included with the application.**

Applicant's Name and Address: Luis Tarin, 2901 2nd Street SW, Albuquerque, NM 87105

Owner / Operator's Name and Address: Luis Tarin, Owner, 2901 2nd Street SW, Albuquerque, NM 87105

Actual or Estimated Date the Application will be submitted to the Department: Early August 2016

Exact Location of the Source or Proposed Source: 2901 2nd Street SW, Albuquerque, NM 87105

Description of the Source: On site storage of construction demolition materials

Nature of the Business: Demoliton Contractor

Process or Change for which the permit is requested: C & C Services is applying for an initial construction permit for the installation and operation of one portable (1) 300 ton per hour crushing and screening unit that will be powered by a 499hp diesel engine.

Preliminary Estimate of the Maximum Quantities of each regulated air contaminant the source will emit:

Net Changes In Emissions

(Only for permit Modifications or Technical Revisions)

Initial Construction Permit

	Pounds Per Hour (lbs/hr)	Tons Per Year (tpy)
CO	2.86	4.02
NOx	0.33	0.46
SO2	1.02	1.44
VOC	0.15	0.22
TSP	2.73	3.83
PM10	1.04	1.46
PM2.5	0.19	0.27
VHAP	N/A**	N/A**

	lbs/hr	tpy	Estimated Total TPY
CO			
NOx			
SO2			
VOC			
TSP			
PM10			
PM2.5			
VHAP			

** Not Applicable

Maximum Operating Schedule: 2808 hours per year

Normal Operating Schedule: 2808 hours per year

Current Contact Information for Comments and Inquires:

Name: Luis Tarin, Owner

Address: 2901 2nd Street SW, Albuquerque, NM 87105

Ver.11/13

City of Albuquerque- Environmental Health Department
Air Quality Program- Permitting Section

Phone: (505) 768-1972

Email: aqd@cabq.gov

Phone Number: (505) 280-1730

E-Mail Address: candcservices@live.com

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

Environmental Health Manager
Stationary Source Permitting
Albuquerque Environmental Health Department
Air Quality Program
PO Box 1293
Albuquerque, New Mexico 87103
(505) 768-1972

Other comments and questions may be submitted verbally.

Please refer to the company name and facility 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. Please include a legible mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, if required, the Department's notice will be published in the legal section of the Albuquerque Journal and mailed to neighborhood associations and neighborhood coalitions near the facility location or near the facility proposed location.



City of Albuquerque

Environmental Health Department

Air Quality Program



Public Notice Sign Guidelines

Any person seeking a permit under 20.11.41 NMAC, Authority-to-Construct Permits, shall do so by filing a written application with the Department. *Prior to submitting an application, the applicant shall post and maintain a weather-proof sign provided by the department. The applicant shall keep the sign posted until the department takes final action on the permit application; if an applicant can establish to the department's satisfaction that the applicant is prohibited by law from posting, at either location required, the department may waive the posting requirement and may impose different notification requirements. A copy of this form must be submitted with your application.*

Applications that are ruled incomplete because of missing information will delay any determination or the issuance of the permit. The Department reserves the right to request additional relevant information prior to ruling the application complete in accordance with 20.11.41 NMAC.

Name: C & C Services

Contact: Luis Tarin, Owner

Company/Business: C & C Services

- The sign must be posted at the more visible of either the proposed or existing facility entrance (or, if approved in advance and in writing by the department, at another location on the property that is accessible to the public)
- The sign shall be installed and maintained in a condition such that members of the public can easily view, access, and read the sign at all times.
- The lower edge of the sign board should be mounted a minimum of 2' above the existing ground surface to facilitate ease of viewing
- Attach a picture of the completed, properly posted sign to this document
- Check here if the department has waived the sign posting requirement.**
Alternative public notice details:




PROPOSED AIR QUALITY CONSTRUCTION PERMIT


1. Applicant's Name: C.E.C. Services Address: 2901 Second Street SW
 Owner or Operator's Name: Mr. Luis C. Tabin
 Owner or Operator's Address: 2901 Second Street SW
 Actual or Estimated Date the Application will be Submitted to the Department: Early August 2016

2. Exact Location of the Source or Proposed Source: 2901 Second Street SW

3. Description of the Source: On-site storage of construction demolition materials
 Nature of the Business: Demolition Contracting

Process in Change for which the permit is being requested: C.E.C. Services is applying for an initial construction permit for the installation and operation of one demolition site. The permit is for the storage and operation of demolition materials on-site. The permit is for the storage and operation of demolition materials on-site.

Preliminary Estimate of the Maximum Quantities of each regulated air contaminant the source will emit:

Initial Construction Permit		Net Changes in Emissions	
Amount Per Year (lbs./yr)	Time Per Year (hrs)	Positive Per Year (lbs./yr)	Estimated Total Time Per Year
CO	2.85	4.02	
NOx	0.33	0.46	
SOx	1.82	1.44	
VOC	0.15	0.29	
TSP	2.73	3.32	
PM10	1.04	1.31	
PM2.5	0.14	0.27	
WVAP	NA	NA	

4. Maximum Operating Schedule: 2508 hours per year
 Normal Operating Schedule: 2508 hours per year

5. Current Contact Information for Comments and Inquiries:
 Name: Luis Tabin, Owner
 Address: 2901 Second Street SW, Albuquerque, NM 87105
 Phone Number: 505-286-1730
 E-mail Address: cecservices@live.com

City of Albuquerque - Environmental Health Department - Air Quality Program - Estimation Source Permitting
 Phone Number: (505) 261-3012 E-mail Address: airquality@alb.org

THIS SIGN SHALL REMAIN POSTED UNTIL THE DEPARTMENT TAKES FINAL ACTION ON THE PERMIT APPLICATION

MODELING REPORT

1. General Information

1. Applicant Company: C&C Services Commercial Construction, LLC
2. Facility Name: C&C Services
3. Analysis prepared by: Air Quality Small Business Assistance Program
4. CONTACT INFORMATION FOR APPLICATION and MODELING:
 - 3a. Contact Name: Angela Lopez
 - 3b. Contact Phone Number: (505)768-1962
 - 3c. Contact E-Mail: anglealopez@cabq.gov

2. Facility Information

1. Facility Description: Portable Crushing and Screening Plant
2. Is Facility Permanent: Yes, but will be seeking a portable stationary source permit.
3. Physical Address/location of facility: 2901 2nd Street SW.
4. If a stationary source, anticipated operating days and hours: Monday through Saturday, 7:00am to 4:00pm.
5. If a portable stationary source, anticipated operating days and hours: same as above
6. Reason for submittal: new construction of a stationary source permit
7. Reason for Waiver Request: N/A

3. Pollutant Information

1. Pollutants Modeled: TSP, PM₁₀, PM_{2.5}, CO, NO_x, SO₂, Other - Describe if Other: _____

4. Source Information

1. Modeling performed for: New Source, Modification of existing permit, Relocation of existing permit, or Other - Describe if Other: _____
2. Source type is: Minor Source, Synthetic Minor Source, NSPS Source, NESHAP source, or Other - Describe if Other: _____
3. Any special modeling requirements based on source type: No
If Yes, describe: _____

5. General Modeling Information

1. Model Utilized: AerScreen, AerMod or Other - Describe if Other: _____
2. Version of model used: EPA Version of AerMod 15181, BPIP-Prime EPA version 04274 and BEEST for Windows Version 11.04
3. Reason for choice of model: multiple emission points
4. Type of source emissions modeled: Point, Volume, AreaCirc, Other - Describe if Other: _____
5. Source MET Data: City of Albuquerque or Other - Describe if Other: _____
6. MET year(s) utilized: AerMet 15181, ABQ AerMet-2001-2005 for TSP, PM10, PM2.5, CO, NO2 and SO2 and single years AerMet 15181, 2001, 2002, 2003, 2004 and 2005 for NO2, TSP and PM2.5 annual
7. Terrain Used: USGS 7.5 Minute DEM data
8. Building downwash: No
9. Building downwash Discussion to include dimensions (if applicable): _____
10. Background concentrations used ($\mu\text{g}/\text{m}^3$):
TSP 31 (24 hour and annual) and PM10 31 (24 hour)
PM2.5 18 (24-hour) and PM2.5 7.5 (annual)
CO 2864 (1-hour) and CO 1260 (8 hour)
SO₂ 0 (1 hour) and SO₂ 0 (24 hour and annual)
NO₂ 82 (1 hour) and NO₂ 30 (annual)

11. Are there emissions sources at adjacent properties that requires a cumulative modeling scenario:
If yes, provide the name, permit number and a detailed discussion of the cumulative modeling scenario:

An impact analysis was conducted because C&C Services is catty corner southeast of the Albuquerque Asphalt Crushing and Screening Plant. C&C Services is less than 300 meters from the Albuquerque Asphalt Crushing and Screening Plant. Attachment "5" is a copy of air quality Permit #1829-RV1 for the equipment modeled and the Plant Relocation Approval letter dated July 30, 2010 for operating at 167 Hill Street SW.

The hours of operation for C&C Services were modeled from 7:00am until 4:00pm Monday through Saturday with no operations on Sunday. The hours of operation for the Albuquerque Asphalt Crushing and Screening Plant operating under Air Quality Permit #1829-RV1-R1 were modeled from 7:00am until 6:00pm only, 7 days a week during the summer (June, July and August) months, from 7:00am until 5:00pm only, 7 days a week during the fall (September, October and November) months, from 8:00am until 4:00pm only, 7 days a week during the winter (December, January and February) months, and from 8:00am until 5:00pm only, 7 days a week during the spring (March, April and May) months.

Please note that your initial analysis for determining the neighboring sources less than 300 meters from C&C Services indicated that Albuquerque Asphalt is catty-corner southeast from the C and C lot and that it appeared that Albuquerque Asphalt uses permits 1829-RV1-R12 and 1955-R7 at this site. However, there was an error in Envision Connect regarding Permit #1955-R7. The UTM coordinates under #1955-R7 in envision were incorrect because #1955-R7 was for the relocation of the process equipment to 202 94th Street NW at UTM coordinates 341665E and 3882405N which is greater than 300 meters from C&C property location of 2901 2nd Street SW. Therefore, the neighboring source modeling analysis did not include the emission sources from Permit #1955-R7.

The TSP emission rate used in dispersion modeling for all neighboring sources includes only the PM10 to TSP fraction. This was determined by subtracting the permitted PM10 emission rate from the permitted TSP emission rate.

The modeling analysis for C&C Services didn't include any plume depletion analysis because C&C Services passed without the plume depletion analysis. However, the plume depletion modeling analysis run was conducted for the neighboring sources modeling analysis.

Attachment Number "4" is a map showing the location of surrounding sources included in this modeling analysis.

The modeled results show no violation of state or federal ambient air quality standards for TSP, PM2.5, CO or NOx that will be exceeded.

TABLE 1
24-Hour Total Suspended Particulate (TSP) Significance Level with plume depletion

POLLUTANT: Total Suspended Particulate (TSP), AVERAGING TIME: 24-Hour

MODELED GROUP	UTM EASTING (m)	UTM NORTHING (m)	MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	PROPOSED SOURCE'S CONTRIBUTION FROM MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	SIL (1) ($\mu\text{g}/\text{m}^3$)	DOES PROPOSED SOURCE EXCEED THE SIL?
Everyone	348944	3879540	292.9053			
AA	348944	3879540	289.6022			
				3.3031	5	No

(1) SIL means Significance Level in ($\mu\text{g}/\text{m}^3$) which was taken from the State of New Mexico Air Quality Bureau's Air Dispersion Modeling Guidelines (Revised November 30, 2015).

TABLE 2
Annual Total Suspended Particulate (TSP) Significance Level with plume depletion

POLLUTANT: Total Suspended Particulate (TSP), AVERAGING TIME: Annual

MODELED GROUP	UTM EASTING (m)	UTM NORTHING (m)	MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	PROPOSED SOURCE'S CONTRIBUTION FROM MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	SIL (1) ($\mu\text{g}/\text{m}^3$)	DOES PROPOSED SOURCE EXCEED THE SIL?
Everyone	348965	3879524	21.03206			
AA	348965	3879524	20.41778			
				0.61428	1	No

(1) SIL means Significance Level in ($\mu\text{g}/\text{m}^3$) which was taken from the State of New Mexico Air Quality Bureau's Air Dispersion Modeling Guidelines (Revised November 30, 2015).

In conclusion, based on the modeling results each receptor site was evaluated to see if Sunset Memorial emissions contribute to an exceedance or not. Based on the cumulative modeling scenario there were no exceedances of the state or federal ambient air quality standards from Sunset Memorial. Additionally, Sunset Memorial's emissions do not contribute to the amounts above the significance levels.

TABLE 3

24-Hour Particulate for less than 2.5 micrometers in aerodynamic diameter (PM2.5) Significance Level

POLLUTANT: Particulate for less than 2.5 micrometers in aerodynamic diameter, AVERAGING TIME: 24-Hour

MODELED GROUP	UTM EASTING (m)	UTM NORTHING (m)	MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	PROPOSED SOURCE'S CONTRIBUTION FROM MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	SIL (1) ($\mu\text{g}/\text{m}^3$)	DOES PROPOSED SOURCE EXCEED THE SIL?
Everyone	348981	3879613	37.81876			
AA	348981	3879613	37.66758			
				0.15117	1.2	No

(1) SIL means Significance Level in ($\mu\text{g}/\text{m}^3$) which was taken from the State of New Mexico Air Quality Bureau's Air Dispersion Modeling Guidelines (Revised November 30, 2015).

TABLE 4

Annual Particulate for less than 2.5 micrometers in aerodynamic diameter (PM2.5) Significance Level

POLLUTANT: Particulate for less than 2.5 micrometers in aerodynamic diameter, AVERAGING TIME: Annual

MODELED GROUP	UTM EASTING (m)	UTM NORTHING (m)	MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	PROPOSED SOURCE'S CONTRIBUTION FROM MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	SIL (1) ($\mu\text{g}/\text{m}^3$)	DOES PROPOSED SOURCE EXCEED THE SIL?
Everyone	348965.6	3879524	7.9445			
AA	348965.6	3879524	7.86875			
				0.07575	0.3	Yes

(1) SIL means Significance Level in ($\mu\text{g}/\text{m}^3$) which was taken from the State of New Mexico Air Quality Bureau's Air Dispersion Modeling Guidelines (Revised November 30, 2015).

In conclusion, based on the modeling results each receptor site was evaluated to see if Sunset Memorial emissions contribute to an exceedance or not. Based on the cumulative modeling scenario there were no exceedances of the state or federal ambient air quality standards from Sunset Memorial. Additionally, Sunset Memorial's emissions do not contribute to the amounts above the significance levels.

TABLE 5
1-Hour Carbon Monoxide (CO) Significance Level

POLLUTANT: Carbon Monoxide (CO), AVERAGING TIME: 1-Hour

MODELED GROUP	UTM EASTING (m)	UTM NORTHING (m)	MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	PROPOSED SOURCE'S CONTRIBUTION FROM MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	SIL (1) ($\mu\text{g}/\text{m}^3$)	DOES PROPOSED SOURCE EXCEED THE SIL?
Everyone	348834	3879616	175			
AA	348834	3879616	54.61			
				120.39	2000	No

(1) SIL means Significance Level in ($\mu\text{g}/\text{m}^3$) which was taken from the State of New Mexico Air Quality Bureau's Air Dispersion Modeling Guidelines (Revised November 30, 2015).

TABLE 6
8-Hour Carbon Monoxide (CO) Significance Level

POLLUTANT: Carbon Monoxide (CO), AVERAGING TIME: 8-Hour

MODELED GROUP	UTM EASTING (m)	UTM NORTHING (m)	MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	PROPOSED SOURCE'S CONTRIBUTION FROM MAXIMUM MODELED IMPACT ($\mu\text{g}/\text{m}^3$)	SIL (1) ($\mu\text{g}/\text{m}^3$)	DOES PROPOSED SOURCE EXCEED THE SIL?
Everyone	348944	3879540	59.65			
AA	348944	3879540	59.50			
				0.15	500	No

(1) SIL means Significance Level in ($\mu\text{g}/\text{m}^3$) which was taken from the State of New Mexico Air Quality Bureau's Air Dispersion Modeling Guidelines (Revised November 30, 2015).

In conclusion, based on the modeling results each receptor site was evaluated to see if Sunset Memorial emissions contribute to an exceedance or not. Based on the cumulative modeling scenario there were no exceedances of the state or federal ambient air quality standards from Sunset Memorial. Additionally, Sunset Memorial's emissions do not contribute to the amounts above the significance levels.

TABLE 7
1-Hour Nitrogen Dioxide (NO₂) Significance Level

POLLUTANT: Nitrogen Dioxide (NO₂), AVERAGING TIME: 1-Hour

MODELED GROUP	UTM EASTING (m)	UTM NORTHING (m)	MAXIMUM MODELED IMPACT (µg/m ³)	PROPOSED SOURCE'S CONTRIBUTION FROM MAXIMUM MODELED IMPACT (µg/m ³)	SIL (1) (µg/m ³)	DOES PROPOSED SOURCE EXCEED THE SIL?
Everyone	348950	3879569	448.6924			
AA	348950	3879569	448.686			
				0.0064	7.52	No

(1) SIL means Significance Level in (µg/m³) which was taken from the State of New Mexico Air Quality Bureau's Air Dispersion Modeling Guidelines (Revised November 30, 2015).

TABLE 8
Annual Nitrogen Dioxide (NO₂) Significance Level

POLLUTANT: Nitrogen Dioxide (NO₂), AVERAGING TIME: Annual

MODELED GROUP	UTM EASTING (m)	UTM NORTHING (m)	MAXIMUM MODELED IMPACT (µg/m ³)	PROPOSED SOURCE'S CONTRIBUTION FROM MAXIMUM MODELED IMPACT (µg/m ³)	SIL (1) (µg/m ³)	DOES PROPOSED SOURCE EXCEED THE SIL?
Everyone	349026	3879612	13.06412			
AA	349026	3879612	13.01575			
				0.04837	1.0	No

(1) SIL means Significance Level in (µg/m³) which was taken from the State of New Mexico Air Quality Bureau's Air Dispersion Modeling Guidelines (Revised November 30, 2015).

In conclusion, based on the modeling results each receptor site was evaluated to see if Sunset Memorial emissions contribute to an exceedance or not. Based on the cumulative modeling scenario there were no exceedances of the state or federal ambient air quality standards from Sunset Memorial. Additionally, Sunset Memorial's emissions do not contribute to the amounts above the significance levels.

Below is the pound per hour (lb/hr) emission rates inputs for the cumulative modeling scenario.

**Albuquerque Asphalt Controlled Particulate Emission Rates
Air Quality Permit #1829-RV1**

Permit Emission Unit #	Modeled Source ID	Description	TSP (lbs/hr)	PM10 (lbs/hr)	TSP-PM10 (lbs/hr)
	AA#1	Grizzly Feeder	1.12	0.54	0.58
	AA#2	Jaw Crusher	1.48	0.70	0.78
	AA#4	Screen	3.80	1.82	1.98
	AA#5	Stacker Conveyors	0.38	0.18	0.20
	AA#7	Storage Pile	0.38	0.18	0.20
	AA#8	Material Quarry	0.38	0.18	0.20
	AA#9	Haul Road	N/A*	N/A*	N/A*

**N/A not applicable: Haul Roads are listed in Permit #1829-RV1 issued on July 9, 2010 for the corner of Elena and Barstow NE (UTMN 3895605 and UTME 358926) and the haul road emissions were calculated and modeled under Permit #1829. However, under Permit #1829-RV1-R1 relocation approval letter dated July 30, 2010 for 167 Hill Street SW (UTMN 3879597 and UTME 349003) the condition of the relocation was that all haul roads shall be controlled by the application of dust suppression agents or surfactants. Therefore, the modeling of haul roads was not required. Therefore, the modeling of haul roads as a neighboring source emission point will not be included even though the permit has emission associated with haul roads.*

**Albuquerque Sand & Gravel Plant Controlled Combustion Emission Rates
Air Quality Permit #1829-RV1**

Permit Emission Unit #	Modeled Source ID	Description	TSP (lbs/hr)	PM10 (lbs/hr)	TSP-PM10 (lbs/hr)
	AA#10	300hp diesel engine	0.66	0.66	0.66

**Albuquerque Sand & Gravel Plant Controlled Combustion Emission Rates
Air Quality Permit #1829-RV1
(continued)**

Permit Emission Unit #	Modeled Source ID	Description	CO (lbs/hr)	NOx (lbs/hr)	SOx (lbs/hr)
	AA#10	300hp diesel engine	2.00	9.30	0.11

6. Model Options

I. Control Options

1. Averaging periods (hrs): (1) 2 3 4, 6, (8, 12) (24) Month, Period and (Annual)
2. Flag Poles: (None), Individual Heights or Flagpole Height
3. Half Life/Decay: (None) Half Life or Decay

II. Control Files

1. (Run or No Run)
2. Echo or (No Echo)

III. AER Options

1. Regulatory Status: (Default), Non-Default or Non-Default and Beta Options
2. Default Options(unrestricted): (Concentration (CONC)) only
3. Urban Option: (No Urban Area), Single Urban Area or Multiple Urban Area
4. Gas Dry Deposition Parameters: Use Default Reference Parameters for Gas Dry Deposition (GASDEPDF)
5. Plume Depletion: Dry Plume Depletion Wet Plum Depletion, or Discuss Particle size characteristics: No plume depletion required because passed with no plume depletion

IV. Source Options

1. Source Elevation Units: (Meters) or Feet
2. Group definitions: (All), Each and/or User
3. Emission Rate flag: None, (Hour of Day (HROFDY)), Season & Hour Day (SEASHR), Season & Hour of Day & Day of Week (SHRDOW) or Other - Describe if Other: _____

V. Receptor Options

1. Grid, (Special Grid) or Other - Describe if Other: _____
If Special Grid, then method is: (Fenceline Grid) Corners Method and/or (Distance Method)
2. Receptor Array:
 - i) Receptor spacing along property fenceline in meters: 50
 - ii) Receptor array outside of fenceline in meters: 50 meters x 50 meters
 - iii) Distance out from fenceline in meters: 1000
3. Output Options (highest value at each receptor): (1) 2, 3, 4, 5, 6, 7, 8, 9 and/or 10

VI. Other Options

1. Provide a brief narrative for all other modeling options (switches) enabled or disabled that are not addressed in this report form (if applicable): _____

VII. Additional Submittal Checklist

1. Map or drawing showing the location of the proposed facility, on-site buildings, emission points, fenceline, and property boundaries – all in UTM coordinates

2. Explanation of special cases being analyzed for modeled stack parameters that are different than those submitted in application; or
 Not applicable to this submittal

3. Flare calculations used to determine effective stack parameter; or
 Not applicable to this submittal

4. Table showing design concentrations corrected for elevation versus ambient air quality standards;
or
 Not applicable to this submittal

5. A description of all the file names in an accompanying CD

6. Description of multiple scenarios modeled and which files are relevant to each scenario; or
 Not applicable to this submittal

7. Summary of the modeling results including the maximum concentration for each averaging time, and comparison of the design concentration to the ambient standards

C&C Services

Attachment List

1. Modeling Source Inputs for Point Sources along with Emission Rates for C&C Services
2. Map or drawing showing the location of C&C Services, on-site buildings, emission points, fenceline, and property boundaries – all in UTM coordinates
3. Summary of the modeling results including the maximum concentration for each averaging time, and comparison of the design concentration to the ambient standards
4. Map of proposed facility with adjacent source
5. Air Quality Permit #1829-RV1 for Albuquerque Asphalt's 200 ton/hr Portable Crushing and Screening Aggregate Plant and approval letter for Plant Relocation #1829-RV1-R1
6. CD of modeling files

C&C Services

ATTACHMENT "1"

MODELING SOURCE INPUTS FOR POINT SOURCE along
with EMISSION RATES for C&C Services

C&C Services Point Source Inputs

Description	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Stack Height (ft)	Temperature (°F)	Exit Velocity (fps)	Stack Diameter (ft)	TSP (lb/hr)	PM10 (lb/hr)	PM2.5 (lb/hr)	CO (lb/hr)	NOX (lb/hr)	SOX (lb/hr)
diesel engine	349003.1	3879539.2	1506.22	15.0918635	793.13	151.246719	0.3333333333	0.66	0.66	0.66	2	9.3	0.11

C&C Services Volume Source Inputs

Source Description	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Release Height (ft)	Init. Horizontal Dimension (ft)	Initial Vert. Dimension (ft)	TSP (lb/hr)	PM10 (lb/hr)	PM2.5 (lb/hr)
rockpile	348890	3879644	1506.22	7.5	46.51	6.98	0.164	0.077	0.012
rockpile	348869	3879630	1506.22	7.5	46.51	6.98	0.164	0.077	0.012
	348829	3879652	1505.91	13.1234	3.8058	7.644	0.327	0.155	0.024
	348829	3879652	1505.91	19.685	3.8058	7.644	0.081	0.036	0.012
	348829	3879652	1505.91	13.1234	3.8058	7.644	0.375	0.131	0.045
finished pile	348829	3879652	1505.91	6.5617	1.542	3.0512	0.327	0.155	0.024
pile	348880	3879720	1506.22	7.5	46.51	6.98	0.164	0.077	0.012
pile	348862	3879755	1506.2	7.5	46.51	6.98	0.164	0.077	0.012
oil Road	348863.1	3879665.43	1506.2	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
oil Road	348872	3879655	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
oil Road	348880	3879645	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
oil Road	348888	3879634	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
oil Road	348875	3879635	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
oil Road	348862	3879635	1506.19	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
oil Road	348848	3879635	1506.02	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
oil Road	348849.3	3879648.25	1506.04	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
oil Road	348849.6	3879662	1506.08	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
oil Road	348851.8	3879675.06	1506.16	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348861.5	3879692.24	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348864	3879705	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348867	3879718	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04

C&C Services Volume Source Inputs (continued)

Source Description	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Release Height (ft)	Horizontal Dimension (ft)	Initial Vert. Dimension (ft)	TSP (lb/hr)	PM10 (lb/hr)	PM2.5 (lb/hr)
Haul Road	348872	3879731	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348879	3879743	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348864	3879749	1506.21	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348851	3879752	1506.19	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348838	3879754	1506.13	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348841	3879742	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348844	3879729	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348847	3879717	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348850	3879704	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348853	3879691	1506.22	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04
Haul Road	348857.8	3879679.41	1506.2	11.14993438	19.85006562	10.39993438	0.0384	0.00938	9.37E-04

Adjacent Sources Point Source Inputs

Modeling Source ID	Source Description	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Stack Height (ft)	Temp. (°F)	Exit Velocity (fps)	Stack Diameter (ft)	TSP-PM10 (lb/hr)	PM2.5 (lb/hr)	CO (lb/hr)	NOX (lb/hr)	Air Quality Permit #	Air Quality Permit Emission Unit No.
AA#10	AA Generator	349003.1	3879539.2	1506.22	15.0919	793.13	151.2467	0.33333	0.66	0.66	2	9.3	1829-RV1	10

Adjacent Sources Volume Source Inputs

Modeling Source ID	Source Description	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Release Height (ft)	Init. Horizontal Dimension (ft)	Initial Vert. Dimension (ft)	TSP-PM10 (lb/hr)	PM2.5 (lb/hr)	Air Quality Permit #	Air Quality Permit Emission Unit No.
AA#1	AAGrizzly Feeder	349000.4	3879543.2	1506.22	13.123	3.805774278	7.644357	0.58	0.17	1829-RV1	1
AA#2	AAJaw Crusher	349001.3	3879541	1506.22	19.685	3.805774278	7.644357	0.78	0.22		2
AA#4	AAScreen	349003.8	3879535.1	1506.22	13.123	3.805774278	7.644357	1.98	0.57		4
AA#8	AAFinish Storage Pile	348977	3879560	1506.22	6	6.988188976	5.577428	0.2	0.06		8
AA#7	AA Raw Storage Pile	348973	3879593	1506.22	6	6.988188976	5.577428	0.2	0.06		7

Adjacent Source Area Circular Source Inputs

Location	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Release Height (ft)	Radius of Circle (ft)	Number of Vertices	Initial Vert. Dimension (ft)	TSP-PM10 (lb/hr)	PM2.5 (lb/hr)	Air Quality Permit #	Air Quality Permit Emission Unit No.
Source	349007	3879527.5	1506.22	7	14.9934383	20	14.00918635	0.2	0.06	1829-RV1	5 & 6

C&C Services Area Circular Source Inputs

Location	Easting (X) (m)	Northing (Y) (m)	Base Elevation (m)	Release Height (ft)	Radius of Circle (ft)	Number of Vertices	Initial Vert. Dimension (ft)	TSP (lb/hr)	PM10 (lb/hr)	PM2.5 (lb/hr)
	348831	3879657	1505.93	7	14.9934	20	14.0092	0.045	0.017	6.00E-03

C&C Services

ATTACHMENT “6”

CD of modeling files

C&C Services

ATTACHMENT “2”

Map or drawing showing the location of C&C Services, on-site buildings, emission points, fenceline, and property boundaries – all in UTM coordinates

GOOGLE EARTH PHOTO OF FENCELINE

Company: C&C Service
Facility Address: 2901 2nd Street SW, Albuquerque, New Mexico 87105



UTM COORDINATES OF FENCELINE

Company: C&C Services

Facility Address: 2901 2nd Street SW, Albuquerque, New Mexico 87105

Source Description	Easting (X) (m)	Northing (Y) (m)
FENCELINE	348794	3879618
	348807	3879695
	348814	3879730
	348831	3879771
	348832	3879774
	348898	3879766
	348899	3879740
	348894	3879730
	348897	3879692
	348894	3879689
	348874	3879684
	348873	3879674
	348896	3879676
	348915	3879613

MODELED EMISSION POINTS

C&C Services Facility Address: 2901 2nd Street SW, Albuquerque, New Mexico 87105

Company:



UTM COORDINATE OF EMISSION POINTS

Company: C&C Services

Facility Address: 2901 2nd Street SW, Albuquerque, New Mexico 87105

EU #	Source ID	Source Description	Easting (X) (m)	Northing (Y) (m)
1	C&C1	Raw Stockpile	348890	3879644
2	C&C2	Raw Stockpile	348869	3879630
3	C&C3	Feeder	348829	3879652
5	C&C5	Crusher	348829	3879652
4	C&C4	Screen	348829	3879652
6	C&C6	Pile 1	348831	3879657
7	C&C7	Loadout from finished pile	348829	3879652
8	C&C8	Finish Pile	348880	3879720
9	C&C9	Finish Pile	348862	3879755
10	C&CRHR#1	Raw Haul Road	348863.07	3879665.4
	C&CRHR#2	Raw Haul Road	348872	3879655
	C&CRHR#3	Raw Haul Road	348880	3879645
	C&CRHR#4	Raw Haul Road	348888	3879634
	C&CRHR#5	Raw Haul Road	348875	3879635
	C&CRHR#6	Raw Haul Road	348862	3879635
	C&CRHR#7	Raw Haul Road	348848	3879635
	C&CRHR#8	Raw Haul Road	348849.32	3879648.3
	C&CRHR#9	Raw Haul Road	348849.55	3879662
	C&CRHR#10	Raw Haul Road	348851.84	3879675.1
	C&CAFHR#11	Finished Haul Road	348861.46	3879692.2
	C&CFHR#12	Finished Haul Road	348864	3879705
	C&CFHR#13	Finished Haul Road	348867	3879718
	C&CHR#14	Finished Haul Road	348872	3879731
	C&CFHR#15	Finished Haul Road	348879	3879743
	C&CFHR#16	Finished Haul Road	348864	3879749
	C&CFHR#17	Finished Haul Road	348851	3879752
	C&CFHR#18	Finished Haul Road	348838	3879754
	C&CFHR#19	Finished Haul Road	348841	3879742
	C&CFHR#20	Finished Haul Road	348844	3879729

UTM COORDINATE OF EMISSION POINTS (Continued)

Company: C&C Services

Facility Address: 2901 2nd Street SW, Albuquerque, New Mexico 87105

EU #	Source ID	Source Description	Easting (X) (m)	Northing (Y) (m)
	C&CFHR#21	Finished Haul Road	348847	3879717
	C&CFHR#22	Finished Haul Road	348850	3879704
	C&CFHR#23	Finished Haul Road	348853	3879691
	C&CFHR#24	Finished Haul Road	348857.8	3879679.4
11	C&CENGINE	499hp diesel Engine	348829	3879652

C&C Services

ATTACHMENT “3”

Summary of the modeling results including the maximum concentration for each averaging time, and comparison of the design concentration to the ambient standards

C&C MODELING RESULTS SUMMARY

POLLUTANT	AVERAGING TIME	MAXIMUM MODELED CONCENTRATION ($\mu\text{g}/\text{m}^3$)	BERNALILLO COUNTY BACKGROUND ($\mu\text{g}/\text{m}^3$)	MAXIMUM MODELED CONCENTRATION WITH BACKGROUND ($\mu\text{g}/\text{m}^3$)	LOWEST APPLICABLE STANDARD ($\mu\text{g}/\text{m}^3$)	PERCENT OF STANDARD
Carbon Monoxide (CO)	1 hour	174.80	2864	3038.8	15007	20%
	8 hour	59.33	1260	1319.33	9967	13%
Nitrogen Dioxide (NO ₂)**	1 hour	14.91 (H1H)	82	100.51	188.06	52%
	Annual	0.25421(2005)	30	30.25	94	32%
Sulfur Dioxide (SO ₂)	1 hour	62.53 (H1H)	13.1	75.63	196.4	39%
	24 hour	10.07	0.0	10.07	262	< 1%
	Annual	Didn't run because 24-hr Model + Background less than annual standard*				52
Total Suspended Particulate (TSP) (No depletion)	24 hour	113.48	31	144.48	150	96%
	Annual	20.95 (2003)	31	51.95	60	87%
Particulate Matter < 2.5 microns (PM _{2.5}) (No depletion)	24 hour	7.5 (H1H)	18	25.5	35	73%
	Annual	1.50 (2005)	7.5	9.0	12	75%

Please note: Particulate Matter < 10 microns (PM10) is not listed on this Modeling Results Summary Sheet because compliance with the 24-hour TSP standard also demonstrates compliance with the 24-hour PM10 Standard.

*N/A not applicable

C&C Services

ATTACHMENT "5"

Air Quality Permit #1829-RV1 for Albuquerque Asphalt's 200 ton/hr Portable Crushing and Screening Aggregate Plant and approval letter for Plant Relocation #1829-RV1-R1



Richard J. Berry, Mayor

**AIR QUALITY AUTHORITY-TO-CONSTRUCT PERMIT #1829-RV1
FACILITY CDS #NM/001/01071**



Mary Lou Leonard, Director

Issued to: Albuquerque Asphalt, Inc.
202 94th Street SW
Albuquerque, New Mexico 87121

Certified Mail #7006 2760 0005 1562 6674
Return Receipt Requested

Responsible Official: Robert B. Wood, President

Pursuant to the New Mexico Air Quality Control Act, Chapter 74, Article 2 New Mexico Statutes Annotated 1978 (as amended); the Joint Air Quality Control Board Ordinance, 9-5-1 to 9-5-99 ROA 1994; the Bernalillo County Joint Air Quality Control Board Ordinance, Bernalillo County Ordinance 94-5; the Albuquerque/Bernalillo County Air Quality Control Board (A/BCAQCB) Regulation Title 20, New Mexico Administrative Code (20 NMAC), Chapter 11, Part 40 (20.11.40 NMAC), Air Contaminant Source Registration; and A/BCAQCB Regulation Title 20, Chapter 11, Part 41 NMAC (20.11.41 NMAC), Authority-To-Construct; **Albuquerque Asphalt** (Company or Permittee) is hereby issued this **AUTHORITY-TO- CONSTRUCT PERMIT** and authorized to operate the following equipment at:

Facility/Location	Facility Process Description	SIC	NAICS
Corner of Elena and Barstow NE Bernalillo County, NM UTMN: 3895605 UTME: 358926	200 ton/hr Portable Crushing and Screening Aggregate Plant	1794	238910

This **AUTHORITY-TO-CONSTRUCT Permit Number 1829-RV1** has been issued based on the review of the application received by the Albuquerque Environmental Health Department (Department), Air Quality Division (Division) on June 2, 2010 and on the National Ambient Air Quality Standards, New Mexico Ambient Air Quality Standards, and Air Quality Control Regulations for Albuquerque/Bernalillo County, as amended. As these standards and regulations are updated or amended, the applicable changes will be incorporated into Permit Number 1829-RV1 and will apply to the Facility.

This permit "front page" shall accompany all portions of Air Quality Permit Number 1829 issued October 16, 2006. All references to the "permittee" or "facility" now apply to Albuquerque Asphalt. Albuquerque Asphalt now bears all responsibilities and liabilities related to operation of the facility, and to the terms of this permit.

Issued on the 7th day of July, 2010

Isreal J. Tavarez
Isreal Tavarez, Environmental Engineering Manager
Air Quality Programs
Air Quality Division
Environmental Health Department
City of Albuquerque



Martin J. Chávez, Mayor

**AIR QUALITY AUTHORITY-TO-CONSTRUCT PERMIT #1829
FACILITY CDS #NM/001/01071**



Alfredo R. Santistevan, Director

Issued to: J&H Services, Inc.
516 Martinez Lane NE
Albuquerque, New Mexico 87107

Certified Mail #7004 1350 0004 2443 6939
Return Receipt Requested

Responsible Official: Jim Mitchell, President

Pursuant to the New Mexico Air Quality Control Act, Chapter 74, Article 2 New Mexico Statutes Annotated 1978 (as amended); the Joint Air Quality Control Board Ordinance, 9-5-1 to 9-5-99 ROA 1994; the Bernalillo County Joint Air Quality Control Board Ordinance, Bernalillo County Ordinance 94-5; the Albuquerque/Bernalillo County Air Quality Control Board (A/BCAQCB) Regulation Title 20, New Mexico Administrative Code (20 NMAC), Chapter 11, Part 40 (20.11.40 NMAC), Air Contaminant Source Registration; and A/BCAQCB Regulation Title 20, Chapter 11, Part 41 NMAC (20.11.41 NMAC), Authority-To-Construct; **J&H Services, Inc.** (Company or Permittee) is hereby issued this **AUTHORITY-TO- CONSTRUCT PERMIT** and authorized to operate the following equipment at:

Facility/Location	Facility Process Description	SIC	NAICS
Corner of Elena and Barstow NE Bernalillo County, NM UTMN: 3895605 UTME: 358926	200 ton/hr Portable Crushing and Screening Aggregate Plant	1794	238910

This **AUTHORITY-TO-CONSTRUCT Permit Number 1829** has been issued based on the review of the application received by the Albuquerque Environmental Health Department (Department), Air Quality Division (Division) on May 22, 2006 which was deemed complete on July 18, 2006 and on the National Ambient Air Quality Standards, New Mexico Ambient Air Quality Standards, and Air Quality Control Regulations for Albuquerque/Bernalillo County, as amended. As these standards and regulations are updated or amended, the applicable changes will be incorporated into Permit Number 1829 and will apply to the Facility.

Issued on the 16th day of OCTOBER, 2006


Christopher P. Albrecht, Manager
Stationary Source Programs
Air Quality Division
Environmental Health Department
City of Albuquerque

I. **CONDITIONS:** Conditions have been imposed in this permit to assure continued compliance. 20.11.41.18.C NMAC, states that any term or condition imposed by the Division on a permit or permit modification is enforceable to the same extent as a regulation of the Board. Pursuant to 20.11.41 NMAC, the facility is subject to the following conditions:

1. **Construction and Operation:** Compliance will be based on Division inspections of the facility, compliance with the NSPS Subpart A – General Provisions, reviews of production records, submission of appropriate permit applications for modification, and timely notification to the Department regarding equipment substitutions and relocations.

a) This permit authorizes the construction and operation of the following equipment:

Process Equipment Table

Unit Number	Manufacturer	Model Number	Serial Number	Date of Mfg. Equipment and Installation Date	Rated Process Rate	Unit Subject To NSPS
1. Grizzly Feeder	Terex Pegson	4242 SR	TBD*	TBD*/TBD*	200 tons/hr	No
2. Jaw Crusher	Terex Pegson	4242 SR	TBD*	TBD*/TBD*	200 tons/hr	Yes Subpart OOO
3. Transfer Conveyor	Terex Pegson	4242 SR	TBD*	TBD*/TBD*	200 tons/hr	Yes Subpart OOO
4. 2- Deck Screen	Terex Pegson	4242 SR	TBD*	TBD*/TBD*	200 tons/hr	Yes Subpart OOO
5. Pile Stacker Conveyor	Terex Pegson	4242 SR	TBD*	TBD*/TBD*	200 tons/hr	Yes Subpart OOO
6. Pile Stacker Conveyor	Terex Pegson	4242 SR	TBD*	TBD*/TBD*	200 tons/hr	Yes Subpart OOO
7. Storage Pile	N/A	N/A	N/A	N/A	200 tons/hr	No
8. Material Quarry	N/A	N/A	N/A	N/A	200 tons/hr	No
9. Haul Road	N/A	N/A	N/A	N/A	0.9 VMT/hr	No
10. Diesel Generator Set	Caterpillar	C-9	CLJ07993	12/13/2004/TBD*	300hp	No

*To Be Determined

- b) All equipment shall be maintained as per manufacturer specifications to ensure the emissions remain at or below the permitted levels.
- c) This facility shall be constructed and operated in accordance with information provided on the permit application dated **May 18, 2006** and received **May 22, 2006** with the additional information received **July 3, 2006** and **July 17, 2006** and in accordance with the legal authority specified above and the conditions of this permit.
- d) This portable crushing and screening aggregate plant is subject to Federal New Source Performance Standards (NSPS), Code of Federal Regulations (CFR), Title 40, Part 60, Subpart A - General Provisions, and Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants since process equipment units # 2, 3, 4, 5, and 6 were constructed, reconstructed, or modified after August 31, 1983, and capable of processing greater than 150 tons per hour of material.

- e) No National Emissions Standard for Hazardous Air Pollutants (NESHAP) apply to this facility. However, prior to any asbestos demolition or renovation work, the Division must be notified and proper permits shall be obtained and CFR Title 40, Part 61 Subpart M would apply.
- f) Substitution of the affected facilities as specified by 40 CFR 60.670 (a) is authorized pursuant to 40 CFR §60.670 (d). Equipment that is substituted shall comply with the emission limit, recordkeeping, monitoring, and reporting requirements stated in this permit.
- g) Substitution of equipment not subject to 40 CFR 60 is authorized provided the equipment has the same or lower process capacity as the piece of equipment being substituted. The Department shall be notified in writing within fifteen (15) days of equipment substitutions. Equipment that is substituted shall comply with the requirements in Condition 2.
- h) The equipment specified in Condition I.1.a. is considered a portable stationary source as defined by 20.11.41.7.P NMAC and may be relocated to another site provided the requirements are met in Condition I.5.k) prior to the relocation.
- i) This equipment located at the facility is restricted to operate the following:
 - i. The portable aggregate plant shall not exceed 2642 hours per year of operation based on a 12-month rolling period.
 - ii. The portable aggregate plant shall be restricted to a maximum hourly throughput of 200 tons per hour not to exceed a 12-month rolling period material throughput of 528,400 tons. This condition has been placed in the permit based on air dispersion modeling of the facility at this location to demonstrate compliance with the National Ambient Air Quality Standards and New Mexico Ambient Air Quality Standards for NO₂, CO, SO₂, PM_{2.5}, PM₁₀, and TSP.
 - iii. The portable aggregate plant shall be restricted to operate from 7:00am until 6:00pm only, 7 days a week during the summer (June, July and August) months, from 7:00am until 5:00pm only, 7 days a week during the fall (September, October and November) months, from 8:00am until 4:00pm only, 7 days a week during the winter (December, January and February) months, and from 8:00am until 5:00pm only, 7 days a week during the spring (March, April and May) months not to exceed 2642 hours per year. This condition has been placed in the permit based on air dispersion modeling of the facility at this location to demonstrate compliance with the National Ambient Air Quality Standards and New Mexico Ambient Air Quality Standards NO₂, CO, SO₂, PM_{2.5}, PM₁₀, and TSP.
 - iv. Water shall be added to the raw material stockpile prior to loading into the aggregate plant feeder. Sufficient quantities of water shall be added to ensure complete moisture coverage of the material immediately prior to processing. Process units #1, 2, 5, 6 and 8 (feeder, all crushers, and screens) shall be equipped with water spray systems to control fugitive dust emissions and shall be operated while the plant is processing material. Additionally, pursuant to 20.11.20.12 NMAC, "...whether or not the person has been issued a fugitive dust control permit... No person shall allow fugitive dust,...from any active operation, open storage pile,...or disturbed surface area, or inactive disturbed surface area to be carried beyond the property line, right-of-way, easement or any other area under control of the person generating or allowing the fugitive dust if the fugitive dust will: 1) adversely affect the health, public welfare or safety of the residents of Bernalillo county; or 2) impair visibility or the reasonable use of property; or 3) be visible longer than a total of 15 minutes in any one hour observation period... To mitigate fugitive dust, all inactive disturbed surface areas must be stabilized and maintained in stable condition by the owner, operator, or person responsible for maintenance of the disturbed surface..."

- v. Unit#10 shall be restricted to 2642 hours of operation based on a 12-month rolling period.
 - vi. All haul roads shall be controlled by the application of dust suppression agents or surfactants.
 - vii. Unit #9 shall be restricted to an average of three (3) truck round trips per hour not to exceed thirty-three (33) truck round trips a day from 7:00am until 6:00pm only, 7 days a week during the summer (June, July and August) months. Unit #9 shall be restricted to an average of 3 truck round trips per hour not to exceed thirty (30) truck round trips a day from 7:00am until 5:00pm only, 7 days a week during the fall (September, October and November) months. Unit #9 shall be restricted to an average of 3 truck round trips per hour not to exceed twenty-four (24) trucks a day from 8:00am until 4:00pm only, 7 days a week during the winter (December, January and February) months. Unit #9 shall be restricted to an average of 3 truck round trips per hour not to exceed twenty-seven (27) truck round trips per day from 8:00am until 5:00pm only, 7 days a week during the spring (March, April and May) months. This condition has been placed in the permit based on air dispersion modeling of the facility at this location to demonstrate compliance with the National Ambient Air Quality Standards and New Mexico Ambient Air Quality Standards NO₂, CO, SO₂, PM_{2.5}, PM₁₀, and TSP.
- j) Vehicle traffic areas and haul roads shall be maintained and controlled pursuant to 20.11.20.12.A. NMAC, General Provisions, Fugitive Dust Control. That is, the owner/operator shall "...use reasonable available control measures or any other effective control measure to prevent a violation of the national ambient air quality standards and meet the objective established in 20.11.20.6 NMAC, whether or not the person has been issued a fugitive dust control permit. No person shall allow fugitive dust, track out, or transported material from any active operation, open storage pile, paved or unpaved roadway or disturbed surface area, or inactive disturbed surface area to be carried beyond the property line, right-of-way, easement or any other area under control of the person generating or allowing the fugitive dust if the fugitive dust will: 1) adversely affect the health, public welfare or safety of the residents of Bernalillo county; or 2) impair visibility or the reasonable use of property; or 3) be visible longer than a total of 15 minutes in any one hour observation period... To mitigate fugitive dust, all inactive disturbed surface areas must be stabilized and maintained in stable condition by the owner, operator, or person responsible for maintenance of the disturbed surface..." In addition to the above condition, the permittee shall apply dust suppression agents or surfactants to the haul roads. Surfactant shall be applied as necessary to reduce fugitive emissions, but not less than once every four (4) months.
- k) Changes in plans, specifications, and other representations proposed in the application documents shall not be made if they will increase the potential to emit or cause a change in the method of control of emissions or in the character of emissions. Any such proposed changes shall be submitted as a modification to this permit. No modification shall begin prior to issuance of a permit.
- l) Compliance with ton per year (tpy) emissions shall be based on compliance with Conditions I.1.i). (i), (ii), (iii), (iv), (v), (vi) and (vii) and I.1.j).

2. **Unit Emission Limits:** Condition 2 Unit Emission Limits has been placed in the permit in accordance with 20.11.41.18.B NMAC, to allow the Division to determine compliance with the terms and conditions of the permit. These were the emission rates stated in the permit application and are the basis of the Division's review. Compliance will be based on Division inspections of the facility and upon compliance with the emission limits and opacity readings conducted in accordance with the test methods specified in Condition 6 - **Compliance Tests**.

a) The portable aggregate plant shall not exceed the emission limits stated in the table below. Tons per year emissions shall be based on a 12-month rolling total.

Criteria Pollutants																			
Unit #	NO _x lb/hr	NO _x tpy	CO lb/hr	CO tpy	SO ₂ lb/hr	SO ₂ tpy	VOC lb/hr	VOC tpy	TSP lb/hr	TSP tpy	PM ₁₀ lb/hr	PM ₁₀ tpy	PM _{2.5} lb/hr	PM _{2.5} tpy	Percent Opacity	Record Keeping Requirements ¹	Monitoring Requirements ¹	Reporting Requirements ¹	Compliance Testing ²
1						1.12			1.48	1.48	0.54	0.71	0.17	0.22	N/A	Yes	Yes	Yes	No
2						1.48			1.96	1.96	0.7	0.93	0.22	0.29	15%	Yes	Yes	Yes	
4						3.8			5.02	5.02	1.82	2.4	0.57	0.75	10%	Yes	Yes	Yes	Yes
5						0.19			0.25	0.25	0.09	0.12	0.03	0.04	10%	Yes	Yes	Yes	Yes
6						0.19			0.25	0.25	0.09	0.12	0.03	0.04	10%	Yes	Yes	Yes	Yes
7						0.38			0.5	0.5	0.18	0.24	0.06	0.07	*	Yes	Yes	Yes	No
8						0.38			0.5	0.5	0.18	0.24	0.06	0.07	*	Yes	Yes	Yes	No
9						0.63			0.83	0.83	0.16	0.21	0.02	0.03	*	Yes	Yes	Yes	No
10	9.30	12.29	2.00	2.65	0.11	0.14	0.74	0.98	0.66	0.87	0.66	0.87	0.66	0.87	20% @ startup	Yes	Yes	Yes	No
Totals	9.30	12.29	2.00	2.65	0.11	0.14	0.74	0.98	8.83	11.66	4.42	5.84	1.82	2.38					

¹ Refer to Conditions 3, 4 and 5 for unit specific record keeping/monitoring, and reporting requirements

² Refer to Condition 6 unit specific compliance testing requirements

* Please see Condition 1.1.iv., for Unit 7 and 8, and Condition 1.1.j) for Unit 9.

b) Emission units # 4, 5, 6 and all affected transfer points shall not cause or allow fugitive emissions that exceed 10 percent opacity as specified in 40 CFR Part 60, Subpart 60.672 (b).

c) Emission unit # 2 shall not cause or allow fugitive emissions that exceed 15 percent opacity as specified in 40 CFR Part 60, Subpart 60.672 (c).

d) Emission unit #10 shall not cause or allow visible air emissions to exceed 20 percent opacity for any six (6) minute timed average. During the first twenty (20) minutes of cold start-up, the visible emissions shall not exceed 40 percent opacity for any (6) minute timed average. No increase of load shall be applied so as to cause an emission having an opacity greater than 40 percent during any time interval. This condition is pursuant to 20.11.5.13.C NMAC.

- e) Pound per hour (lb/hr) Nitrogen Oxides (NO_x), and Carbon Monoxide (CO) emission rates for emission unit #10 shall be based on a 3-hour average.
- f) Total suspended particulate matter (TSP), particulate matter less than 10 microns (PM_{10}), particulate matter less than 2.5 microns ($\text{PM}_{2.5}$), pound per hour (lb/hr) emission rates for emission units # 2, 4, 5, 6 and 10 are for informational purposes and shall be used to determine tpy emissions for each emission unit. Compliance with lb/hr emission rates shall be based on compliance with the opacity standards in Condition I.2.(b), (c) and (d).
- g) Sulfur dioxide (SO_2), and volatile organic compounds (VOC), lb/hr emission rates for emission unit #10 are for informational purposes and shall be used to determine tpy emissions for each emission unit.

3. **Record keeping:** Condition 3 has been placed in the permit in accordance with 20.11.41.18.B(8) NMAC, to allow the Division to determine compliance with the terms and conditions of the permit. Compliance will be based on Division inspection of records and logs.
- a) Maintain a record of the daily, monthly and annual throughput (in tons) for the aggregate plant. Monthly throughput records shall be maintained to calculate yearly throughputs based on a 12-month rolling period.
 - b) Maintain a daily record of the number of hours of the operation of the aggregate plant based on a 12-month rolling period. This record shall also include the start and stop times for each day of operation.
 - c) Maintain a monthly log of the number of hours of operation for Unit #10 based on a 12-month rolling period.
 - d) Maintain a daily record of the number of truck round trips per day.
 - e) Maintain records of the application of surfactant to haul roads and daily application of water to raw material storage piles. If application of water is not required, the daily record shall indicate why application was not necessary (i.e. recent rain, snowfall, etc.).
 - f) Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility pursuant to 40 CFR 60, Subpart A, 60.7 (a) (7) (b).
4. **Monitoring:** Condition 4 has been placed in the permit in accordance with 20.11.41.18(4), (6), and (7) NMAC, to allow the Division to determine compliance with the terms and conditions of the permit. Compliance will be based on Division inspection of equipment and logs.
- a) Monitor the daily, monthly and annual throughput (in tons) for the aggregate plant.
 - b) Monitor the daily hours of operation of the aggregate plant.
 - c) Install an hour meter system and monitor unit #10 hours of operation based on a 12-month rolling period.
 - d) Monitor the number of truck round trips per day.
 - e) Monitor application of surfactant to haul roads and daily application of water to storage piles.
 - f) Monitor the water spray system to ensure it is in operation while the plant processes material.
5. **Reporting:** Condition 5 has been placed in the permit in accordance with 20.11.41.20 NMAC and 20.11.90 NMAC, to allow the Division to determine compliance with the terms and conditions of the permit. Compliance will be based on timely submittal of the reports (Initial, quarterly, annually) and notifications shall contain the required information and shall be made in accordance with CFR Title 40, Part 60, Subpart A - General Provisions and 20.11.41.20 NMAC.

The permittee shall notify the Division in writing of:

- a) the serial numbers, dates of manufacture and the date of installation for units #1, 2, 3, 4, 5 and 6 within 15 days of initial startup;

- b) the date of installation for unit #10 within 15 days of initial startup;
- c) the anticipated date of initial startup of the source not less than thirty (30) days prior to the date pursuant to 20.11.41.20.A. NMAC;
- d) notification of the actual date of initial startup of each affected facility shall be postmarked within 15 days after such date and submitted to the Division. This shall be conducted in accordance with 40 CFR 60, Subpart A, 60.7 (a) (3);
- e) any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies postmarked 60 days as soon as practicable before the change is commenced pursuant to 40 CFR 60, Subpart A, 60.7(a)(6).
- f) notification of the anticipated date for conducting the opacity observations required by 40 CFR 60, Subpart OOO, 60.675(a)(2). The notification shall be postmarked not less than 30 days prior to such date pursuant to 40 CFR 60, Subpart A, 60.7(a)(6).
- g) any existing facility being replaced and the replacement piece of equipment within 15 days after such date as stated in 40 CFR Part 60, Subpart OOO, 60.676 (a) (1), (2), (3), and (4) in accordance with 40 CFR 60, Subpart A, 60.7 (a) (3);
- h) any change in control or ownership within fifteen (15) days of the change in control or ownership; the permit and conditions apply in the event of any change in control or ownership of the facility. No permit modification is required in such case; however, in the event of any such change in control or ownership, the permittee shall notify the succeeding owner of the permit and the conditions;
- i) written reports of the results of all performance tests conducted to demonstrate compliance with the opacity observations made utilizing EPA Method 9 to demonstrate compliance with 40 CFR 60, Subpart OOO, 60.672 (b) and (c) and performance tests conducted to demonstrate compliance with the opacity results shall be received by the Division within 30 days of completion of the compliance test;
- j) an updated annual (January 1 through December 31 of previous calendar year) emissions inventory for the source together with descriptions of any reconfiguration of process technology and air pollution equipment March 15 every year, which shall include annual hours of operation, and the annual material throughput in tons. The emissions inventory shall be based on the emission factors provided in the application submitted on May 22, 2006 and additional information submitted on July 3, 2006 and July 17, 2006.
- k) any breakdown of equipment or air pollution control devices or apparatus so as to cause emissions of air contaminants in excess of limits set by permit conditions. Any breakdown or abnormal operating conditions shall be reported within two hours of occurrence to (505) 224-6977 and via facsimile to (505) 768-1977.
- l) any relocation of the aggregate plant at least 30 days prior to relocation. The relocation notice must be made on a form provided by the Division and shall include an ambient air dispersion modeling analysis demonstrating compliance with National Ambient Air Quality Standards (NAAQS) and New Mexico Ambient Air Quality Standards (NMAAQS) at the new location, unless the requirement is waived in writing by the Division. Operation and relocation of the aggregate plant at a new location shall not commence until the Division has approved the request for relocation.

6. **Compliance Tests:** Condition 6 has been placed in the permit in accordance with CFR Title 40, Part 60, Subpart A General Provisions, 20.11.41.21 NMAC, and 20.11.90.13 NMAC. Compliance will be based on the satisfactory completion of the compliance tests, the timely submittal of the emission unit test results to the Division, and on meeting the emission limits specified in Condition 2.

- a) In accordance with 40CFR § 60.8 – Performance tests, an initial performance test shall be conducted on process units #2, 4, 5, 6 and any affected transfer point to demonstrate compliance with the particulate matter opacity standards established in Conditions I.2.a). The compliance tests shall be conducted in accordance with EPA Method 9 found in Appendix A of 40 CFR 60, and the procedures found in Subpart A of 40 CFR 60.11. These tests shall be conducted within 60 days after achieving the maximum production rate at which affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Division.
- b) Annual compliance tests for process equipment units #2, 4, 5, 6 and any affected transfer points have not been imposed. Compliance tests may be reimposed if inspections of the source indicate non-compliance with permit conditions or the previous test showed non-compliance or was technically unsatisfactory. The owner or operator shall notify the Division at least fifteen (15) days prior to the test date and allow a representative of the Division to be present at the test. (20.11.41.21 NMAC and CFR Title 40, Subpart A “General Provisions”).
- c) Initial and annual compliance tests for unit #10 have not been imposed at this time. Compliance tests may be imposed if inspections of the source indicate non-compliance with permit conditions or the previous test showed non-compliance or was technically unsatisfactory. In the event the Division imposes a compliance test, it shall be conducted in accordance with EPA methods contained in Appendix A of the CFR, Title 40, Part 60, unless otherwise approved by the Division.
- d) The permittee shall provide for the Division's approval a written test protocol at least fifteen (15) days prior to the anticipated test date. The protocol shall describe the test methods to be used (including sampling locations), and shall describe data reduction procedures. Any variation from the established sampling and analytical procedures or from facility operating conditions shall be presented for Division approval.
- e) The test protocol and compliance test report shall conform to the standard format specified by the Division.
- f) The tests shall be conducted at ninety (90%) percent of the plant's and process equipment's permitted capacity (200 tons per hour) or greater to demonstrate compliance with the permitted emission limits. Compliance testing at other than 90% production levels shall be performed at the Division's request and/or approval.
- g) One copy of the compliance test results shall be submitted to the Division Enforcement Section within thirty (30) days after the completion of testing.

Unit Specific Compliance Testing

Unit Number	Initial Compliance Test	Frequency of Compliance Test
2, 4, 5, 6 and affected transfer points	Yes, for Opacity	Not Required*
10	Not Required*	Not Required*

* Compliance tests have not been imposed for this unit at this time, but may be reimposed if inspections of the source indicates non-compliance with permit conditions.

7. **Modifications:** Condition 7 has been placed in the permit in accordance with 20.11.41.7.H NMAC, to enable the Division to review proposed changes to the facility which may constitute a permit modification prior to such changes. Compliance will be based on Division inspections and the submittal of a new permit application for any modification.

- a) Any future physical changes or changes in the method of operation which results in an increase in the pre-controlled emission rate may constitute a modification as defined by 20.11.41.7.H NMAC. No modification shall begin prior to issuance of a permit. Modifications or revisions to this permit shall be processed in accordance with 20.11.41 NMAC.
- b) Relocation of the equipment as specified in Condition I.1.a. may not be considered a modification as defined by 20.11.41.7.G NMAC, however, the final determination of whether or not a modification is triggered shall be made by the Division after the permittee submits the report as specified by Condition I.5.k).

8. **Compliance Assurance/Enforcement:** All air pollution emitting facilities within Bernalillo County are subject to all applicable Albuquerque/Bernalillo County Air Quality Control Regulations, whether listed in this registration/permit or not.

- a) The issuance of a permit or registration does not relieve the Facility from responsibility of complying with the provisions of the Air Quality Control Act, and the laws and regulations in force pursuant to the Act and 20.11.41.17 NMAC.
- b) Any conditions imposed upon the Facility as the result of an Authority-To-Construct Permit or any other permit issued by the Division shall be enforceable to the same extent as a regulation of the Board and 20.11.41.18.C NMAC.
- c) Whenever two or more parts of the Air Quality Control Act, or the laws and regulations in force pursuant to the Act, limit, control or regulate the emissions of a particular air contaminant, the more restrictive or stringent shall govern pursuant to 20.11.1.14 NMAC.
- d) The Division is authorized to issue a compliance order requiring compliance and assessing a civil penalty not to exceed Fifteen Thousand and no/100 Dollars (\$15,000) per day of noncompliance for each violation, commence a civil action in district court for appropriate relief, including a temporary and permanent injunction. (74-2-12 NMSA).
- e) Scheduled and Unscheduled Inspection (74-2-13 NMSA) -- The Division will conduct scheduled and unscheduled inspections to insure compliance with the Air Quality Control Act, and the laws and regulations in force pursuant to the Act, and this Permit, and, upon presentation of credentials:
 - i. Shall have a right of entry to, upon, or through any premises on which an emission source is located or on which any records required to be maintained by regulations of the Board or by any permit condition are located;
 - ii. May at any reasonable time have access to and copy any records required to be established and maintained by Regulations of the Board, or any permit condition;
 - iii. May inspect any monitoring equipment and method required by Regulations of the Board or by any permit condition, and;
 - iv. Sample any emissions that are required to be sampled pursuant to Regulation of the Board, or any permit condition.
- f. Any credible evidence may be used to establish whether the Facility has violated or is in violation of any regulation of the Board, or any other provision of law. Credible evidence and testing shall include, but is not limited to (20.11.41.26.A-B NMAC):
 - i. A monitoring method approved for the source pursuant to 20.11.42 NMAC "Operating Permits" and incorporated into an operating permit;
 - ii. Compliance methods specified in the Regulations, conditions in a permit issued to the Facility, or other provision of law;
 - iii. Federally enforceable monitoring or testing methods, including methods in 40 CFR parts 51, 60, 61, and 75; and,
 - iv. Other testing, monitoring or information-gathering methods that produce information comparable to that produced by any CFR method and approved by the Division and EPA.

9. **Posting of the Permit:** Compliance will be based on Division inspections of the facility, which show that a copy of the permit has been posted in a visible location. A copy of this permit shall be posted in a visible location at the plant site at all times. The permit shall be made available to Division personnel for inspection upon request.

10. **Annual Fees:** Condition 10 has been placed in the permit in accordance with 20.11.2 NMAC to allow the Division to determine compliance with the terms and conditions of the permit. Compliance will be based on the receipt of the annual emissions fee due each year to the Division pursuant to 20.11.2 NMAC. Every owner or operator of a source that is required to obtain a source registration, an Authority-to-Construct, an operating permit, or a preconstruction permit shall pay an annual emissions fee pursuant to 20.11.2 NMAC, 20.11.40 NMAC, 20.11.41 NMAC, 20.11.42 NMAC, 20.11.60 NMAC, 20.11.61 NMAC, or 20.11.62 NMAC.

**Facility Wide Fee Pollutants
(Tons Per Year)**

Fee Pollutant	Facility Wide Fee Pollutant Totals in Tons per Year (TPY)
Carbon Monoxide (CO)	3
Oxides of Nitrogen (NO _x)	12
Total Suspended Particulate Matter (TSP)	12
Oxides of Sulfur (SO _x)	0
Volatile Organic Compounds (VOC)	1
Facility Wide Fee Pollutants Totals (TPY)	28

II. ADDITIONAL REQUIREMENTS

1. **Permit Cancellation:** The Division may cancel any permit if the construction or modification is not commenced within one (1) year from the date of issuance or if, during the construction or modification, work is suspended for a total of one (1) year pursuant to 20.11.41.19 NMAC.

Application for permit modifications, relocation notices and items listed under **ADDITIONAL REQUIREMENTS** shall be submitted to:

Albuquerque Environmental Health Department
Air Quality Division
Permitting Section
11850 Sunset Gardens SW
Albuquerque, New Mexico 87121

2. **Division Address--** Test protocols, compliance tests and all reports shall be submitted to:

Albuquerque Environmental Health Department
Air Quality Division
Quality Assurance Section
Attention: Compliance Officer
11850 Sunset Gardens SW
Albuquerque, New Mexico 87121

CITY OF ALBUQUERQUE

Environmental Health Department

Mary Lou Leonard, Director



Dan Fisher, Engineer
Albuquerque Asphalt, Inc.
202 94th Street SW
Albuquerque, New Mexico 87121

July 30, 2010
Certified Mail#7006 2760 0005 1562 6650
Return Receipt requested

RE: Plant Relocation Notice #1829-RV1-R1

Dear Mr. Fisher,

The City of Albuquerque (COA), Environmental Health Department (EHD), Air Quality Division (Division) received a Plant Relocation Notice from Albuquerque Asphalt, Inc. on June 2, 2010. The Division reviewed the information submitted for the relocation of the 200 ton/hr portable crushing and screening plant to SGP's construction yard located at 167 Hill Street SW in Albuquerque, New Mexico. On July 30, 2010, the Division approved the relocation of the 200 ton/hr portable crushing and screening plant.

Environmental Health
Department

Air Quality Division

All terms and conditions of Permit #1829-RV1 issued on July 9, 2010 still apply to the equipment listed on the Plant Relocation Notice while located at this site as well as the following conditions which are the basis of this approval while operating at this location:

1. The physical location of the 200 ton/hr portable crushing and screening plant shall be restricted to the associated area of UTM coordinates 349003E and 3879597N.
2. The portable crushing and screening plant shall be restricted to operate during the following time period limitations and seasonal restrictions:
 - a. 8:00 am until 5:00 pm only, 7 days a week during the spring (March, April, and May) months
 - b. 7:00 am until 6:00 pm only, 7 days a week during the summer (June, July, and August) months
 - c. 7:00 am until 5:00 pm only, 7 days a week during the fall (September, October and November) months, and
 - d. 8:00 am until 4:00 pm only, 7 days a week during the winter (December, January and February) months not to exceed 2642 hours per year.
3. Albuquerque Asphalt, Inc. shall only operate process equipment units #1, 2, 3, 4, 5, 6, 7, 8, and 10 at 167 Hill Street SW in Albuquerque, New Mexico until December 31, 2010 at 4:00 pm.
4. All haul roads shall be controlled by the application of dust suppression agents or surfactants.
5. Albuquerque Asphalt, Inc. shall notify the Division upon project start up within 15 days and shall notify the Division within 15 days after completion of the project located at 167 Hill Street SW in Albuquerque, New Mexico (UTMN 3879597, UTME 349003).
6. The permittee shall comply with the provisions of 20.11.20.12 NMAC regarding fugitive dust control.
7. The Air Quality Division has the authority to revoke the approval of this equipment at this proposed site at any time if it has been determined that any of the permit or above conditions have been violated.

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

8. Only the equipment listed in Table 1 is authorized to be relocated.

Table 1

Unit Number	Manufacturer	Model Number	Serial Number	Date of Mfg. Equipment and Installation Date
1. Grizzly Feeder	Terex Pegson	4242 SR	420140CCSR	2005
2. Jaw Crusher	Terex Pegson	4242 SR	420140CCSR	2005
3. Transfer Conveyer	Terex Pegson	4242 SR	420140CCSR	2005
4. 2- Deck Screen	Terex Pegson	4242 SR	420140CCSR	2005
5. Pile Stacker Conveyer	Terex Pegson	4242 SR	420140CCSR	2005
6. Pile Stacker Conveyer	Terex Pegson	4242 SR	420140CCSR	2005
7. Storage Pile	N/A	N/A	N/A	N/A
8. Material Quarry	N/A	N/A	N/A	N/A
9. Haul Road	N/A	N/A	N/A	N/A
10. Diesel Generator Set	Caterpillar	C-9	CLJ09993	2004

9. Water shall be added to the raw material stockpile prior to loading into the aggregate plant feeder. Sufficient quantities of water shall be added to ensure complete moisture coverage of the material immediately prior to processing. Process units #1, 2, 4, 5, 6 and 8 (feeder, all crushers, and screens) shall be equipped with water spray systems to control fugitive dust emissions and shall be operated while the plant is processing material. Additionally, pursuant to 20.11.20.12 NMAC, "...whether or not the person has been issued a fugitive dust control permit... No person shall allow fugitive dust,...from any active operation, open storage pile,...or disturbed surface area, or inactive disturbed surface area to be carried beyond the property line, right-of-way, easement or any other area under control of the person generating or allowing the fugitive dust if the fugitive dust will: 1) adversely affect the health, public welfare or safety of the residents of Bernalillo county; or 2) impair visibility or the reasonable use of property; or 3) be visible longer than a total of 15 minutes in any one hour observation period...To mitigate fugitive dust, all inactive disturbed surface areas must be stabilized and maintained in stable condition by the owner, operator, or person responsible for maintenance of the disturbed surface..."

Mr. Dan Fisher, Engineer
Albuquerque Asphalt, Inc.
July 30, 2010
Page Three

Please note that all terms and conditions of permit #1829-RV1 still apply to the equipment listed in the relocation notice while located at the site. Albuquerque Asphalt, Inc. is subject to all applicable Albuquerque/Bernalillo County Air Quality Control Regulations, whether listed in permit #1829-RV1 or not. This approval for relocation does not relieve the Facility from responsibility of complying with the provisions of the Air Quality Control Act, and the laws and regulations in force pursuant to the Act (20.11.41.17 NMAC).

If you should have further questions, please do not hesitate to contact Regan Eyerman at 767-5625.

Sincerely,



Isreal Tavarez, Environmental Engineering Manager
Air Quality Protection Programs
Environmental Health Department
City of Albuquerque

cc: File #1829-RV1-R1