



Department of Air Quality & Environmental Management (DAQEM)

500 South Grand Central Parkway
Las Vegas, Nevada 89155-5210
Office: (702) 455-5942
Fax: (702) 383-9994

For Office Use Only

APPLICATION FOR AN AUTHORITY TO CONSTRUCT CERTIFICATE

Source ID#: (if modification) Date:

Is this application the result of a Corrective Action Order (CAO), Notice of Violation (NOV) or Inspection? If so, please identify with the number or attach.

I. Company Information: (Please Print or Type)

All correspondence and billing regarding this source will be communicated to the Responsible Official for Air Quality Control matters who signs this application at this address.

Name:
Physical Address:
City: State: Zip:
Contact Person: Title:
Phone Number:() Fax:() Mobile:()
Would you like the permit and invoice to be emailed to the Responsible Official?
E-Mail Address: Contact Name:

II. Source Name and Address: (Please Print or Type)

Name:
Address: or Township, Range & Section (TRS):
City: State: Zip:
Contact Person: Title:
Phone Number:() Fax:() Mobile:()

Do not send us any documents larger than 11x 17" with your application.

III. Person responsible for Air Quality Control matters:

Name: _____ Phone Number: _____

E-mail Address: _____

Person Responsible For Signing of Documents:

Name/Title: _____ Phone Number: _____

Person Responsible For Billing Matters:

Name: _____ Phone Number: _____

IV. To comply with the preconstruction application requirements of Section 12 of the Clark County Air Quality Regulations, the applicant shall submit the following information:

NOTE: Application must include categorically exempt units and activities.

- a. **Stationary Source location map showing the property boundary with a legal description of the proposed site location. Include Township, Range and Section (TRS), if no street address. (Please attach)**
- b. **Stationary Source site map identifying all buildings or structures on the site. (Please attach)**
- c. **A general flow diagram identifying all processes located at the Stationary Source. (Please attach)**
- d. **A complete detailed flow diagram of each process at the Stationary Source listing all Emission Units associated with the process. (Please attach)**
- e. **Location of nearest residence and distance from the proposed Stationary Source. (Please attach)**
- f. **Zoning approved by local municipality, or a copy of a currently approved zoning map. (Please attach)**
- g. **Copy of application for Use Permit, or decision of the zoning authority. (Please attach)**
- h. **Any new PM₁₀ or CO Major Stationary Source proposing to locate in the non-attainment area, or any existing PM₁₀ or CO Major Stationary Source located in the nonattainment area that proposes a Major PM₁₀ or Major CO Modification, shall perform an analysis of alternative sites, sizes, production processes, fuel burned, and emission control techniques that demonstrate that the benefits of the proposed source significantly outweigh the environmental and social costs imposed as a result of its location, construction, or Modification. The required analysis shall be based on EPA guidance or applicable regulations. (Please attach)**
- i. **Identification of all Regulated Air Pollutants emitted from each Emission Unit. (Please attach)**
- j. **Brief general description of the new Stationary Source or Modification. (Please attach)**
- k. **Complete description of all processes by Standard Industrial Classification [SIC] and NAICS Code. (Please attach)**

- l. Complete description of all Emission Units by Source Classification Code (SCC). (Please note, an SCC reference document is available upon request)**
- m. Type of fuel utilized in each Emission Unit, if applicable. (Please attach)**
- n. Estimate of total annual fuel usage from all NonRoad Engines [gasoline and diesel]; such information may be used by DAQEM for modeling and emission inventory purposes, but shall not be included as a condition in the Authority to Construct. (Please attach)**
- o. Maximum Potential to Emit of all Regulated Air Pollutants for each Emission Unit in lbs/hr, lbs/day, and ton(s)/yr. (Please attach)**

Maximum Potential to Emit Emissions of all Regulated Air Pollutants for each NonRoad Engine utilized within a permitted source in [lbs/hr, lbs/day, and ton(s)/yr]. Such Emissions may be used by DAQEM for modeling and emission inventory purposes and shall not be included in the source Potential to Emit. (Please attach)

- p. Stack data: location, height above grade, diameter (I.D. or effective), exhaust gasses, flow rate [ACFM], and temperature. (Please attach)**
- q. Maximum rated design production capacity. (Please attach)**
- r. Expected production capacity. (Please attach)**
- s. Schedule of operation hrs/day, days/wk, wks/yr. (Please attach)**
- t. Description of air pollution control equipment, for each Emission Unit. (Please attach)**
- u. Analysis of compliance with requirements for Best Available Control Technology (BACT), Lowest Achievable Emission Rate (LAER), Maximum Achievable Control Technology (MACT), as applicable. (Please attach)**
- v. Preconstruction measurements of existing air quality, as required by other subsections of Section 12. (Please attach)**
- w. Results of modeling for each Regulated Air Pollutant, if applicable. (Please attach)**
- x. Description of post construction ambient air monitoring systems for each Regulated Air Pollutant, if applicable. (Please attach)**
- y. Description and general specifications of continuous emissions monitoring systems for each Regulated Air Pollutant, if applicable. (Please attach)**
- z. Additional impact analysis of soils, visibility, vegetation, secondary air quality as required by other subsections of Section 12. (Please attach)**
- aa. Anticipated construction schedule including the estimated initial start-up date. (Please attach)**
- bb. Statement of statewide compliance of existing facilities operated by applicant. (Please attach)**
- cc. Information on the air pollution control equipment installed at similar facilities owned or operated by the applicant, applicable to sources subject to public notice requirements. (Please attach)**

- dd. Payment of all applicable fees pursuant to Section 18 of the Department of Air Quality and Environmental Management Regulations. (Please attach)
- ee. Complete the Clark County fire survey required prior to permit issuance. (Please attach)

In accordance with Section 4.3 of the Clark County Air Quality Regulation, and NRS 445.58, the applicant agrees to permit the Control Officer or his representative to inspect the source during the hours of operation without prior notice.

This application shall be deemed incomplete if submitted information is incorrect, inaccurate or missing.

If you wish to have a consultant and/or an attorney receive a copy of any correspondence during the completion of this ATC/OP provide names & addresses below:

Consultant's Name	Attorney's Name
Consultant's Company Name	Attorney's Company Name
Street Address	Street Address
City/State/Zip	City/State/Zip
E-mail Address	E-mail Address
Phone Number / Fax Number	Phone Number / Fax Number

To the best knowledge of the Responsible Official, the information submitted in this application is certified as true and complete. The Responsible Official agrees that any willful misrepresentation shall be cause for revocation of the Authority to Construct/Operating Permit.

Responsible Official's Signature: _____ Date: _____

Responsible Official's Printed Name: _____

Responsible Official's Title: _____

This application must be accompanied with a payment of **\$311.00** for the application filing fee. Additional fees may apply. The fees may include a one-time permit review fee, annual equipment fees and possible mitigation obligation. Withdrawal of this application after work has begun shall result in the assessment of applicable review fees.

The Government Center accepts: Cash, check, Visa, MasterCard and money orders. Make check/money order payable to: DAQEM or Department of Air Quality &

Environmental Management in accordance with Section 18 of the Clark County Air Quality Regulations.

To be filled out by Applicant – Payment Information – (Please Print)	
If Paying by Check – Check # _____	
Name and Address As It Appears on Check:	

Telephone #: _____	
If Paying by Credit Card, Last Four Digits of Credit Card #:	

Exact Name As Listed on the Credit Card:	

For Office Use Only: POS # _____	



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Supplemental Information Sheet
Must be accompanied by an ATC Application

EMISSION UNIT INFORMATION - INTERNAL COMBUSTION ENGINE

Owner/Operator

Company Name: _____

Mailing Address: _____

Contact Person: _____ Phone: _____

Manufacturer's Name: _____

Model Number: _____ Serial Number: _____

Date of Manufacture: _____

For Emergency/Standby Use (Like A Backup Generator), Provide The Testing Schedule:

_____ (hours/day), _____ (hours/month), _____ (hours/year)

or

For Primary Use (Like Primary Power Or Powering Production Equipment), Provide the Operating Schedule:

_____ (hours/day), _____ (hours/month), _____ (hours/year)

Number of Cylinders: _____ Displacement: _____ (in³, liters)

Two Cycle

Four Cycle

Spark Ignition

Compression Ignition

Engine Manufacturer's Power Rating: _____ (BHP, KW) @ _____ RPM

Type of Fuel(s) Used: _____

Full Load Consumption: _____ (gal/hr, ft³/hr)

(Continue on next page)

Exhaust Stack Data

Height: _____ ft

Diameter: _____ in

Velocity: _____ ft/sec

Or

Exhaust: _____

Volume: _____ ft³/min

Temperature: _____ °F

Emissions Data

List the Potential to Emit (PTE) for this unit for Particulate Matter under 10 microns (PM₁₀), Nitrogen Oxides (NO_x), Sulfur Oxides (SO_x), Carbon Monoxide (CO), and Volatile Organic Compounds (VOC).

POLLUTANT	EMISSIONS	UNITS *CIRCLE ONE*
PM ₁₀		g/bhp-hr; g/hr; ppmv; lb/day; lb/gallon
NO _x		g/bhp-hr; g/hr; ppmv; lb/day; lb/gallon
SO _x		g/bhp-hr; g/hr; ppmv; lb/day; lb/gallon
CO		g/bhp-hr; g/hr; ppmv; lb/day; lb/gallon
VOC		g/bhp-hr; g/hr; ppmv; lb/day; lb/gallon

- Source of Emissions Data: Manufacturer's Guarantee
 Source Test
 AP-42 (if no other data available)

What methods of air pollution control are used with this engine?*

* Attach copy of Manufacturer's Information concerning emissions and controls, if available.



**APPLICATION
DUST CONTROL PERMIT FOR CONSTRUCTION ACTIVITIES**

Blank spaces must be completed for the application to be processed. If not applicable, enter N/A.

1. Applicant/Permittee:

Property Owner Developer Prime Contractor Other _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Ext: _____ Fax: _____

E-mail Address: _____

2. Project:

Name: _____

Address: _____ City: _____

Nearest major cross-streets: _____

Township(s): _____ Range(s): _____ Section(s): _____

Assessor's Parcel number(s) (Attach map): _____

Project Description: _____

Project Acreage: _____ acres (rounded to the nearest 0.1 acre, min. fee 1 acre, all land to be disturbed must be included in project acreage: project site, new unpaved access roads, stockpile, and staging areas)

You must select one of the following three choices.

- This project does not require any offsite street or utility development.
- This project requires offsite street/utility development that is not included in this application, and will be added at a later date by modification or additional permit.
- This application includes offsite street/utility development. (Area must be marked on the accompanying parcel map. Check all that apply)
 - Utility Lateral less than 100 ft. greater that 100 ft. Half Street Full Street
 - Curb / Entrance Entity Name and Number of Approved Offsite Plan / Permit / Easement: _____
 - Plan Pending Other

3. Property Owner (if not applicant):

Name: _____

If applicant is NOT the Property Owner, applicant must complete the Owner's Designee form DCP05, see Attachment 1: Dust Control Permit Forms. The signature on the Owner's designee form must be the same person that signs this application.

4. Point of Contact for dust control matters and to whom a NOTICE OF VIOLATION should be sent if necessary:

Name: _____ Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Ext: _____ Fax: _____

Cellular/Pager: _____ After Hours Phone: _____

5. On-site Superintendent/Supervisor/Foreman contact:

Name: _____ Company: _____

On-site phone: _____ Cellular/Pager: _____

DAQEM Dust Class Certification/Card #: _____ Expiration date: _____

Have all other on-site supervisory personnel attended the DAQEM Dust Class? Yes No

If no, all on-site supervisory personnel must attend a DAQEM Dust Class within 30 days.

6. Storm Water Advisory: Be advised that all land disturbances that exceed one (1) acre or which are adjacent to a waterway must submit a "Notice of Intent" to the Nevada Division of Environmental Protection (NDEP) that certifies a Storm Water Pollution Prevention Plan has been developed and is maintained for the site. For information contact NDEP at (775) 687-9429. Applications and instructions are available at www.ndep.nv.gov/bwpc/storm01.htm

7. By signing this permit application I certify that:

- A. I am authorized, on behalf of the individual or company listed in Section 1, as Applicant/Permittee, to apply for their Dust Control Permit and to commit to all of the terms and conditions of the requested permit.
- B. Construction activities will be limited to lands that the applicant/permittee either owns or is authorized to use for construction activities. The permit issued subsequent to this application is not a substitute for obtaining the property owners permission to use his land. Issuance of a Dust Control Permit is intended only for the purpose of controlling emissions of air pollutants and assuring compliance with Air Quality Regulations. The applicant/permittee agrees to hold harmless, indemnify, and defend Clark County, its employees and assigns from any claims that may arise due to any unauthorized use of land for construction activities.
- C. The permittee accepts responsibility for assuring that all contractors, subcontractors, and all other persons on the construction site covered by this permit, comply with the terms and conditions of the permit, the dust mitigation plan and all applicable Air Quality Regulations.
- D. The applicant/permittee understands that it is a condition of the permit that the permittee agrees to allow the inspection of the site for compliance with the terms and conditions of the permit and Air Quality Regulations at any time during the permittee's hours of operation by a DAQEM officer without prior notice or at any time pursuant to the investigation of a complaint or upon direct observation of emission and/or failure to maintain Best Management Practices.
- E. I understand that any material misrepresentation made in this application may invalidate the permit and that Clark County may pursue enforcement action against me. In addition, I understand any willful misrepresentation may result in criminal penalties. I declare under penalty of perjury that the foregoing is true and correct.

Executed on:

DATE

SIGNATURE

PRINTED NAME

TITLE AND COMPANY NAME

Application completed by, if not completed by signatory (Please Print):

Name Phone Number Ext. _____

PAYMENT INFORMATION TO BE COMPLETED BY THE APPLICANT	
PAYING BY (Please Print)	
<input type="checkbox"/> CASH	
<input type="checkbox"/> CHECK	CHECK # _____ NAME AND ADDRESS AS IT APPEARS ON CHECK: _____ _____ _____ Telephone #: _____
<input type="checkbox"/> CREDIT CARD	LAST FOUR DIGITS OF CREDIT CARD NUMBER: _____ EXACT NAME AS IT APPEARS ON CREDIT CARD: _____ _____

FOR DAQEM USE ONLY		
ISSUE DATE _____	ISSUED BY _____	POS # _____
DATE PAID _____	RECEIVED BY _____	
DAQEM REVIEW: _____	DATE: _____	
BLASTING APPROVAL (if applicable): _____	DATE: _____	
DEMOLITION APPROVAL (if applicable): _____	DATE: _____	
COMPLIANCE AREA ASSIGNMENT: _____	Hydrographic Area: _____	
<input type="checkbox"/> Airport	<input type="checkbox"/> Blasting	<input type="checkbox"/> Commercial
<input type="checkbox"/> Highway	<input type="checkbox"/> Schools	<input type="checkbox"/> Residential
<input type="checkbox"/> Demo-Structure	<input type="checkbox"/> Demo-Other	<input type="checkbox"/> Staging/Stockpiling
<input type="checkbox"/> Public Works	<input type="checkbox"/> Flood Detention	<input type="checkbox"/> Utilities
		<input type="checkbox"/> Misc.



DUST MITIGATION PLAN FOR ALL PROJECTS

Project Name: _____

Permittee Name: _____

Identify the Project Soil “Particulate Emission Potential” (check all that apply):

Using silt and optimum moisture content to determine the particulate emission potential (PEP) is the preferred method.

PEP determined using generalized PEP determination maps included in the Dust Control Handbook.

PEP determined using silt vs. optimum moisture table in Figure 2 of the Dust Control Handbook.

Percentage of silt through a #200 sieve: _____% Optimum moisture content: _____%

PEP for this project is determined to be:

High Moderate High Moderate Low Low

Water source: Hydrant with Jones Valve Fire hose Water trucks/pulls Well
 Stand tanks Ponds Other: _____

PROJECT ACTIVITIES CHECKLIST

Instructions:

Place a check mark in the box to the right of each Project Activity that will occur on your project. If additional soil disturbing activities that are not on the checklist are to be included in the project, list them on a separate page and provide a description. For a more complete description of the listed activities, see the Control Measures Selection Pages (Form DCP03) that follow or refer to the Best Management Practices for dust control in the Dust Control Handbook.

BMP 10 Disturbed Soil and BMP 20 Trackout Prevention and Cleanup must be marked for every Dust Mitigation Plan.

CONTROL MEASURES SELECTION PAGES

Instructions:

For each project activity that you have selected on the Project Activities Checklist you must include the corresponding Control Measures Selection Page. Read and understand each item listed as a “Requirement” on these included pages. Where control measure options are listed, place a check in the box in front of the control measure you will use to meet that requirement. You must select at least one control measure where a choice is listed. In addition you must select the control measure that corresponds to your PEP as listed above, if applicable.

NOTE: PROJECTS 10 ACRES AND LARGER MUST COMPLETE A SUPPLEMENT TO THE DUST MITIGATION PLAN (APPENDIX B-1 AND B-2).

PROJECT ACTIVITIES CHECKLIST

Project Name: _____

Permittee Name: _____

PLACE A CHECK MARK NEXT TO EVERY ACTIVITY THAT WILL BE CONDUCTED ON THIS SITE, FOR EACH CHECKED ACTIVITY COMPLETE THE CORRESPONDING CONTROL MEASURES SELECTION PAGE AND INCLUDE WITH APPLICATION.

BMP	Project Activity	Check All That Apply
01	Backfilling Filling area previously excavated or trenched.	<input type="checkbox"/>
02	Blasting - Abrasive Sandblasting and/or abrasive blasting.	<input type="checkbox"/>
03	Blasting Soil & Rock Explosive blasting of soil and rock.	<input type="checkbox"/>
04	Clearing & Grubbing Clearing and grubbing for site preparation and vacant land cleanup.	<input type="checkbox"/>
05	Clearing Forms, Foundations and Slabs Clearing and cleaning of forms, foundations and slabs prior to pouring concrete.	<input type="checkbox"/>
06	Crushing Crushing of construction and demolition debris, rock and soil.	<input type="checkbox"/>
07	Cut and/or Fill Cut and/or fill soils for site grade preparation.	<input type="checkbox"/>
08	Demolition - Implosion Implosive demolition of a structure, using explosives.	<input type="checkbox"/>
09	Demolition - Mechanical/Manual Mechanical and manual demolition of walls, stucco, concrete, freestanding structures, buildings, load-bearing walls and/or removal of transit pipe	<input type="checkbox"/>
10	Disturbed Soil THIS ACTIVITY MUST BE SELECTED FOR ALL PROJECTS Disturbed soil throughout project including between structures.	<input type="checkbox"/>
11	Disturbed Land - Long Term Stabilization Large tracts of disturbed land that will not have continuing activity for more than 30 days.	<input type="checkbox"/>
12	Dust Suppressants - Selection and Use Selection and use of chemical and organic dust suppressing agents and other dust palliatives.	<input type="checkbox"/>
13	Importing/Exporting Materials Importing or exporting of soil, aggregate, decorative rock, debris, Type II and other bulk material.	<input type="checkbox"/>
14	Landscaping Installation of sod, decorative rock, desert or other landscape material.	<input type="checkbox"/>
15	Paving/Subgrade Preparation Subgrade preparation for paving streets, parking lots, etc.	<input type="checkbox"/>
16	Sawing/Cutting Material Sawing or cutting materials such as concrete, asphalt, block or pipe.	<input type="checkbox"/>
17	Screening Screening of rock, soil or construction debris.	<input type="checkbox"/>
18	Staging Areas Staging areas, equipment storage, vehicle parking lots, and material storage areas.	<input type="checkbox"/>
19	Stockpiles Stockpiling of materials, such as Type II, other soils, rock or debris, for future use or export.	<input type="checkbox"/>
20	Trackout Prevention and Cleanup THIS ACTIVITY MUST BE SELECTED FOR ALL PROJECTS Prevention and cleanup of mud, silt and soil tracked out onto paved roads.	<input type="checkbox"/>
21	Traffic - Unpaved Routes and Parking Construction related traffic on unpaved interior and/or access roads and unpaved employee/worker parking areas.	<input type="checkbox"/>
22	Trenching Trenching with track or wheel mounted excavator, shovel, backhoe or trencher.	<input type="checkbox"/>
23	Truck Loading Loading trucks with materials including construction and demolition debris, rock and soil.	<input type="checkbox"/>



**CONSTRUCTION ACTIVITIES DUST CONTROL PERMIT
SUPPLEMENTAL PERMITS/APPROVALS CHECKLIST**

The following construction activities require permits or approval in addition to a Dust Control Permit. Permits or approvals must be obtained prior to conducting the activity. This form must be submitted with every Dust Mitigation Plan. *Check all activities that apply to the construction project.*

Activities requiring a Various Locations Permit (VLP):

(Comply with VLP regulations prior to installation of this equipment on the project site.)

Operation of a:

List Name of VLP Company and/or VLP#

- powered crusher at temporary locations. _____
- powered screen at temporary locations. _____
- concrete batch plant at temporary locations. _____
- asphalt batch plant at temporary locations. _____

Activities requiring Supplemental Permit:

(Submit applicable supplemental forms. Asbestos survey is required for any size demo/remodel. NESHAP notification is required for ANY size demolition or for remodel if RACM is found.)

- Blasting to fracture rock, hardpan, or caliche.
- Blasting to implode a structure.
- Demolition of a structure greater than 1,000 square feet.
 - Structural remodeling
 - Structure relocation

Activities requiring Authority to Construct (ATC) Certificate and Operating Permit:

(An ATC must be obtained prior to installation of this equipment/facility.)

- Construction of or installation of any Emission Unit
 - Gasoline Dispensing Facility
 - Cooling Tower
 - Dry Cleaning Equipment
 - Emergency Standby Generator or Other Internal Combustion Engine
 - Woodworking Process Equipment
 - Power Generation Facility or Equipment
 - Crushing or Screening Stationary Source
 - Concrete or Asphalt Plant Stationary Source
 - Commercial Surface Coating Equipment including Paint Spray Booth
 - Other Source of PM₁₀, CO, VOC, NO_x, SO₂, Lead, Hazardous Air Pollutant, or Toxic Chemical Substance

Activities Listed Above Do Not Apply to this Construction Project:

BACKFILLING**BMP 01**

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Stabilize backfill material when not actively handling.

- 01-1 Water backfill material to maintain moisture or to form crust when not actively handling.
- 01-2 Apply and maintain a dust palliative to backfill material to form crust when not actively handling.
- 01-3 Cover or enclose backfill material when not actively handling.

Requirement: Stabilize backfill material during handling.

- 01-4 Empty loader bucket slowly and minimize drop height from loader bucket.
- 01-5 Dedicate water truck or large hose to backfilling equipment and apply water as needed.

Note: Select at least one of the above; in addition the appropriate control measure for your soil type must be selected from the following.

- 01-6 **L:** Mix moist soil with dry soil until the optimum moisture is reached.
- 01-7 **ML:** Apply and mix water into the backfill material until optimum moisture is reached.
- 01-8 **MH:** Apply and mix water and tackifier solution into the backfill material until optimum moisture is reached.
- 01-9 **H:** Apply and mix water and surfactant solution into the backfill material until optimum moisture is reached.

Requirement: Stabilize soil at completion of backfilling activity.

- 01-10 Apply water and maintain disturbed soils in a stable condition until permanent stabilization is complete.
- 01-11 Apply and maintain a dust palliative on disturbed soils to form a crust following backfilling activity.

Requirement: Stabilize material while using pipe padder equipment.

- 01-12 Mix moist soil with dry soil until the optimum moisture is reached.
- 01-13 Dedicate water truck or large hose to equipment and apply water as needed.

BLASTING – Abrasive

BMP 02

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 02-1 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 02-2 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Limit visible emissions to no more than an average of 40% opacity for any period aggregating 3 minutes in any 60-minute period pursuant to Air Quality Regulations.

- 02-3 Hydro-blasting, using water as the propellant, must be conducted in a manner to maintain visible emissions within opacity standards.
- 02-4 Dry, unconfined blasting with abrasive material must use only those abrasives that are approved and certified by the California Air Resources Board (CARB) for such use (see Attachment 3: CARB-Approved Abrasives Information).

Requirement: Stabilize particulate matter in surrounding area following blasting.

- 02-5 Clean particulate material from surrounding area and water disturbed soils following blasting.
- 02-6 Apply and maintain a dust palliative to surrounding area following blasting.

Recommendation: Abrasive blasting should be conducted within an enclosed structure whenever possible to preclude the release of visible emissions to the atmosphere.

BLASTING – Soil and Rock**BMP 03**

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: A Blasting Supplemental form must be filled out, submitted and approved by the DAQEM prior to any blasting (see Appendix A: Dust Control Permit Supplemental Forms)

Requirement: No blasting within 1,500 feet of a residential area, occupied building or major roadway, when wind direction is toward these structures.

Requirement: Blasting shall be between the hours of 8:00 a.m. and 4:30 p.m., excluding Saturdays, Sundays and holidays unless prior permission is obtained from the Control Officer.

Requirement: No blasting allowed when the National Weather Service forecasts wind gusts above 25 miles per hour (mph).

- 03-1 Prior to setting explosive charges in holes, document current and predicted weather conditions as provided by the National Weather Service. If the current forecast is for wind gusts of 25 mph or greater or they are forecasted to be 25 mph or greater within the next 24 hours, do not charge any blast holes. When setting explosive charges, monitor weather reports for wind gusts of 25 mph or greater on the National Weather Service Radio and/or Internet sites. If wind gusts above 25 mph are stated, discontinue charging additional blast holes. Limit the blast to holes charged at time the wind report is made.

Requirement: Stabilize surface soils where drills, support equipment and vehicles will operate.

- 03-2 Pre-water and maintain surface soils in a stabilized condition where drills, support equipment and vehicles will operate.
- 03-3 Apply and maintain a dust palliative on surface soils where drills, support equipment and vehicles will operate.

(Continued on next page.)

CONTROL MEASURES SELECTION PAGES

Requirement: Stabilize soil during blast preparation activities.

- 03-4 Limit the blast footprint area to no larger than what can be practically stabilized immediately following the blast.
- 03-5 Maintain surface rock and vegetation where possible to reduce exposure of disturbed soil to wind.

Note: Select at least one of the above; in addition the appropriate control measure for your soil type must be selected from the following.

- 03-6 **L & ML:** Presoak surface soils to depth of the caliche or bedrock with water using water trucks, water pulls, sprinklers or wobblers.
- 03-7 **MH:** Presoak surface soils to depth of the caliche or bedrock with water and tackifier mixture using water trucks, water pulls, sprinklers or wobblers.
- 03-8 **H:** Presoak surface soils to depth of the caliche or bedrock with water and surfactant mixture using water trucks, water pulls, sprinklers or wobblers.

Requirement: Stabilize soil after blasting.

- 03-9 Water disturbed soils to form crust immediately following blast and safety clearance.
- 03-10 Apply and maintain a dust palliative to form crust immediately following blast and safety clearance.

See also: BMP 11: DISTURBED LAND – Long-Term Stabilization, if no continuing activity will occur within 30 days.

CLEARING AND GRUBBING

BMP 04

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 04-1 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 04-2 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Stabilize soil during clearing and grubbing activities.

- 04-3 **L & ML:** Apply water during clearing and grubbing activities.
- 04-4 **MH:** Apply water and tackifier mixture during clearing and grubbing activities.
- 04-5 **H:** Apply water and surfactant mixture during clearing and grubbing activities.

Requirement: Stabilize disturbed soil immediately after clearing and grubbing activities.

- 04-6 Water disturbed soils to form crust immediately following clearing and grubbing activities.
- 04-7 Apply and maintain a dust palliative on disturbed soils to form crust immediately following clearing and grubbing activities.

Recommendations: Maintain live perennial vegetation and desert pavement where possible.

See also: BMP 11: DISTURBED LAND – Long-Term Stabilization, if no continuing activity will occur within 30 days.

CLEARING FORMS, FOUNDATIONS AND SLABS

BMP 05

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Limit visible emissions to no more than an average of 20% opacity for any period aggregating 3 minutes in any 60-minute period pursuant to Air Quality Regulations.

- 05-1 Use single stage pours, unless prohibited by engineering design or building code, to minimize clearing.

Note: At least one of the following must be selected.

- 05-2 Use water spray to clear forms, foundations and slabs.
- 05-3 Use sweeping and water spray to clear forms, foundations and slabs.
- 05-4 Use industrial vacuum to clear forms, foundations and slabs prior to the use of high pressure air to blow soil and debris.
- 05-5 Use industrial vacuum to clear forms, foundations and slabs.

Recommendations: Verify Building Code Restrictions for use of water on slabs.

Avoid use of high pressure air to blow soil and debris from forms, foundations and slabs.

CRUSHING

BMP 06

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Obtain the appropriate Operating Permit for powered crushers prior to engaging in crushing activity. Comply with permit conditions.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 06-1 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 06-2 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will operate.

Requirement: Stabilize material before crushing.

- 06-3 Pre-water material prior to loading into crusher.
- 06-4 Test material to determine moisture content and silt loading, crush only material that is at optimum moisture content.

Requirement: Stabilize material during crushing.

- 06-5 Apply water to stabilize material so as to remain in compliance with opacity standards and permit conditions, during crushing.
- 06-6 Monitor emissions opacity. Make adjustments to remain in compliance with opacity standards and permit conditions.

Requirement: Stabilize material after crushing.

- 06-7 Water crushed material to form crust immediately following crushing.
- 06-8 Apply and maintain a dust palliative to crushed material.

See also: BMP 19. STOCKPILING

CUT AND FILL

BMP 07

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 07-1 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 07-2 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will operate.

Requirement: Pre-water soils.

- 07-3 Dig a test hole to depth of cut or equipment penetration to determine if soils are moist at depth. Continue to pre-water if not moist to depth of cut.
- 07-4 **L & ML:** Pre-water with sprinklers or wobblers to allow time for penetration.
- 07-5 **L & ML:** Pre-water with water trucks or water pulls to allow time for penetration.
- 07-6 **MH:** Pre-water with a water and tackifier mixture using sprinklers or wobblers to allow time for penetration.
- 07-7 **MH:** Pre-water with a water and tackifier mixture using water trucks or water pulls to allow time for penetration.
- 07-8 **H:** Pre-water with a water and surfactant mixture using sprinklers or wobblers to allow time for penetration.
- 07-9 **H:** Pre-water with a water and surfactant mixture using water trucks or water pulls to allow time for penetration.

Requirement: Stabilize soil during cut activities.

- 07-10 Apply water, using water truck or water pull, to depth of cut prior to subsequent cuts.
- 07-11 No cut activities fill only.

Requirement: Stabilize soil after cut and fill activities.

- 07-12 Water disturbed soils to form crust following fill and compaction.
- 07-13 Apply and maintain a dust palliative on disturbed soils to form crust following fill and compaction.

See also: BMP 11: DISTURBED LAND – Long-Term Stabilization if no continuing activity will occur within 30 days.

DEMOLITION – Implosion**BMP 08**

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: A Demolition Supplemental form (see Appendix A) and a Supplement To The Dust Mitigation Plan (see Appendix B) must be filled out, submitted and approved by the Control Officer prior to implosion.

Requirement: An asbestos survey must be conducted on any facility before demolition can commence.

Requirement: A complete Clark County NESHAP Notification form must be submitted to the DAQEM at least ten working days prior to demolition. The asbestos survey must be attached to this notification.

Requirement: All friable and non-friable asbestos containing material must be removed from the facility prior to implosion.

Requirement: Confine blasting to times when wind direction is away from closest residential areas, occupied buildings and major roadways.

Requirement: Implosion time must be pre-approved by the Control Officer.

Requirement: Monitor and document current weather conditions and weather predictions from National Weather Service.

- 08-1 Prior to setting explosive charges, obtain and document current and predicted weather conditions as provided by the National Weather Service. If wind advisory (over 20 miles per hour gusts or average wind speed of 10 miles per hour) is current or forecasted for blast period, do not set charges and do not blast. Maintain a calibrated anemometer and log ambient air velocity and direction within 1,000 feet of the implosion site, beginning at least 1 (one) hour prior to and 15 minutes after the implosion.

(Continued on next page)

CONTROL MEASURES SELECTION PAGES

Requirement: Stabilize surface area where support equipment and vehicles will be operated.

- 08-2 Restrict support equipment and vehicles to existing paved and/or stable areas.

Note: You must select one of the following if paved and/or stable areas do not already exist and you have not selected 08-2.

- 08-3 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 08-4 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will be operated.

Requirement: Stabilize demolition debris immediately following blast and safety clearance.

- 08-5 Apply water to debris immediately following blast and safety clearance.
- 08-6 Apply and maintain a dust palliative to debris immediately following blast and safety clearance.

Requirement: Stabilize and clean surrounding area immediately following blast and safety clearance.

- 08-7 Water all disturbed soil surfaces to establish crust and prevent wind erosion of soil.
- 08-8 Thoroughly clean blast debris from paved and other surfaces following blast and safety clearance.

See also: BMP 23: TRUCK LOADING.

DEMOLITION - Mechanical/Manual**BMP 09**

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: For renovation or demolition of a structure, a Demolition Supplemental form (see Appendix A) must be filled out, submitted and approved by the Control Officer prior to commencing demolition.

Requirement: An asbestos survey must be conducted on any facility or structure that is subject to NESHAP requirements before demolition can commence.

Requirement: A complete Clark County NESHAP Notification form must be submitted to the DAQEM at least ten working days prior to demolition. The asbestos survey must be attached to this notification.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 09-1 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 09-2 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will operate.
- 09-3 Area where support equipment and vehicles will operate is completely covered with paving or concrete.

Requirement: Stabilize demolition debris during handling.

- 09-4 Apply water to demolition debris during handling.

Requirement: Stabilize debris following demolition.

- 09-5 Apply water to stabilize demolition debris.
- 09-6 Apply a dust palliative to stabilize demolition debris.

Requirement: Stabilize surrounding area following demolition.

- 09-7 Apply water to stabilize surrounding area following demolition.
- 09-8 Apply and maintain a dust palliative to stabilize surrounding area following demolition.

See also: BMP 23: TRUCK LOADING.

DISTURBED SOIL

BMP 10

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: For each non-linear project to be permitted for 5 acres or less; install perimeter wind barrier 3 feet or more in height made of material with a porosity of 50% or less.

Requirement: Limit vehicle traffic and disturbance of soils where possible.

- 10-1 Limit vehicle traffic and disturbance of soils with the use of fencing, barriers, barricades, and/or wind barriers.

Requirement: Stabilize and maintain stability of all disturbed soil throughout construction site.

Note: You must choose one or more of the following.

- 10-2 Apply water to stabilize disturbed soils. Soils must be kept in a sufficiently damp, crusted or covered condition.
- 10-3 Apply and maintain a dust palliative based on soil type and future plans.

Requirement: Soil conditions, including preventive and corrective measures, must be recorded every day the construction project is active.

- 10-4 Record soil conditions and dust control actions in daily project records.

Recommendations: If interior block walls are planned, install as early in the construction as possible.

See also: BMP 11: DISTURBED LAND – Long-Term Stabilization, if no continuing activity will occur within 30 days.

DISTURBED LAND – Long-Term Stabilization

BMP 11

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

**Requirement: Stabilize soil to meet standards required by Air Quality
Regulation Section 90.**

- 11-1 Apply and maintain a dust palliative on disturbed soils for long-term stabilization.
- 11-2 Stabilize disturbed soil with vegetation for long-term stabilization.
- 11-3 Pave or apply surface rock for long-term stabilization.
- 11-4 Use wind breaks in accordance with a site-specific plan approved by the Control Officer and Region IX Administrator of the EPA.
- 11-5 Apply water and maintain soils in a visible damp or crusted condition for temporary stabilization.

Requirement: Prevent access to limit soil disturbance.

- 11-6 Prevent access by fencing, ditches, vegetation, berms or other suitable barrier or means approved by the Control Officer.

Recommendations: Plant perimeter vegetation early. Use of native and drought-tolerant plants with greater than 50 % silhouette area is encouraged.

See also: BMP 12: DUST SUPPRESSANT, DUST PALLIATIVE AND SURFACTANT – Selection and Use.

DUST PALLIATIVE – Selection and Use

BMP 12

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Follow AQD “Interim Policy on Dust Palliatives Use In Clark County, Nevada”.

Requirement: Record use of suppressants and dust palliatives and retain records.

Requirement: Follow applicable federal and state regulations.

Requirement: Select method of long-term stabilization taking into consideration future land use.

- 12-1 For traffic area applications use Table 1: Traffic Area Application Requirements, Appropriate Use of Liquid Dust Palliatives and Application Rates, from the Interim Policy on Dust Palliatives Use In Clark County, Nevada.
- 12-2 For non-traffic area applications use Table 2: Non-Traffic Area Application Requirements, Appropriate Use of Liquid Dust Palliatives and Application Rates, from the Interim Policy on Dust Palliatives Use In Clark County, Nevada.

IMPORTING/EXPORTING SOIL, ROCK AND OTHER BULK MATERIAL

BMP 13

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Limit visible dust opacity from vehicular operations.

- 13-1 Apply water and limit vehicle speeds to 15 mph on the work site.
- 13-2 Apply and maintain dust suppressant on haul routes.

Requirement: Check belly-dump truck seals regularly and remove any trapped rocks to prevent spillage.

Requirement: Maintain 3-6 inches of freeboard to minimize spillage.

Requirement: Stabilize materials during transport on site.

- 13-3 Use tarps or other suitable enclosures on haul trucks.
- 13-4 Stabilize materials with water.

Requirement: Clean wheels and undercarriage of haul trucks prior to leaving construction site.

Recommendations: Verify State and local laws, concerning the hauling of bulk materials on public roadways.

See also: BMP 20: TRACKOUT PREVENTION AND CLEANUP.

BMP 23: TRUCK LOADING.

LANDSCAPING

BMP 14

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Stabilize soils, materials and slopes during handling.

- 14-1 **L & ML:** Apply water prior to leveling or any other earth moving activity to keep the soil moist throughout the process.
- 14-2 **MH:** Apply a water and tackifier mixture prior to leveling or any other earth moving activity to keep the soil moist throughout the process.
- 14-3 **H:** Apply a water and surfactant mixture prior to leveling or any other earth moving activity to keep the soil moist throughout the process.

Requirement: Stabilize soils, materials and slopes at completion of activity.

- 14-4 Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slope.
- 14-5 Apply water and maintain sloping surfaces in a crusted condition.
- 14-6 Maintain effective cover over materials.

PAVING/SUBGRADE PREPARATION

BMP 15

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Stabilize soils prior to activities.

- 15-1 Pre-water subgrade surface until optimum moisture content is reached and maintained.

Requirement: Stabilize soils during activities.

- 15-2 Maintain at least 70% of optimum moisture content for Type II material while aggregate is being applied.

Requirement: Stabilize soils following activities.

- 15-3 Place tack coat on Type II aggregate base immediately after it is applied.
- 15-4 Apply water to Type II aggregate base immediately after it is applied.

Requirement: Stabilize adjacent disturbed soils following paving activities.

- 15-5 Stabilize adjacent disturbed soils following paving activities by crusting with water.
- 15-6 Stabilize adjacent disturbed soils following paving activities by applying a dust palliative.
- 15-7 Stabilize adjacent disturbed soils following paving activities with immediate landscaping activity or installation of vegetative or rock cover.
- 15-8 There are no soils adjacent to paving activities.

SAWING/CUTTING MATERIALS

BMP 16

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Limit visible emissions to no more than an average of 20% opacity, pursuant to Air Quality Regulations.

- 16-1 Use water to control dust when cutting materials.
- 16-2 Use a vacuum to collect dust when cutting materials.

SCREENING

BMP 17

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: If using a powered screen, obtain the appropriate Operating Permit for powered screens prior to engaging in screening activity. Comply with permit conditions.

Requirement: Drop material through the screen slowly and minimize drop height.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 17-1 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 17-2 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Pre-treat material prior to screening.

- 17-3 Apply sufficient water to obtain at least 70% optimum moisture in material prior to screening.
- 17-4 Apply a dust suppressant to material prior to screening.

Requirement: Stabilize material during screening.

- 17-5 Dedicate water truck or large hose to screening operation and apply water as needed to prevent dust.
- 17-6 Apply water to material as it is being dropped through the screen.
- 17-7 Install wind barrier upwind of screen as high as the screen drop point and made of material with a porosity of 50% or less.

Requirement: Stabilize material and surrounding area immediately after screening.

- 17-8 Apply water to stabilize screened material and surrounding area after screening.
- 17-9 Apply and maintain a dust palliative to stabilize screened material and surrounding area after screening.

See also: BMP 19: STOCKPILING

STAGING AREAS

BMP 18

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Limit visible dust opacity from vehicular operations.

- 18-1 Limit vehicle speeds to 15 mph in the staging area and on all unpaved access routes.
- 18-2 Apply and maintain dust suppressant on all vehicle traffic areas in the staging areas and unpaved access routes.

Requirement: Stabilize staging area soils during use.

- 18-3 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 18-4 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will be operated.

Requirement: Stabilize staging area soils at project completion.

- 18-5 Apply a dust palliative.
- 18-6 Apply screened or washed Type II aggregate.
- 18-7 Use wind breaks in accordance with a site-specific plan approved by the Control Officer and Region IX Administrator of the EPA.
- 18-8 Pave with thin paving.
- 18-9 Completed project will cover staging area with buildings, paving, and/or landscaping.
- 18-10 Apply water to form adequate crust and prevent access.

Recommendations: Limit size of staging areas.

Limit ingress and egress points.

See also: BMP 20: TRACKOUT PREVENTION AND CLEANUP

STOCKPILING

BMP 19

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: To the extent possible, maintain stockpile to avoid steep sides or faces.

Requirement: Stockpile location and height must be maintained pursuant to Air Quality Regulations. Stockpiles located within 100 yards of occupied buildings must not be constructed over 8 feet in height.

- 19-1 Stockpiles will not be constructed over 8 feet in height.
- 19-2 Stockpiles will be constructed over 8 feet high and must have a road bladed to the top to allow water truck access or must have a sprinkler irrigation system installed, used and maintained

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 19-3 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 19-4 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Stabilize stockpile materials during handling.

- 19-5 Maintain stockpile materials with at least 70% optimum moisture content.
- 19-6 Remove material from the downwind side of the stockpile, when safe to do so.

Note: Select at least one of the above; in addition the appropriate control measure for your soil type must be selected from the following.

- 19-7 **L & ML:** Apply water during stacking, loading and unloading operations.
- 19-8 **MH:** Apply a water and tackifier mixture during stacking, loading and unloading operations.
- 19-9 **H:** Apply a water and surfactant mixture during stacking, loading and unloading operations.

(Continued on next page)

CONTROL MEASURES SELECTION PAGES

Requirement: Stabilize stockpiles at completion of activity.

- 19-10 Water stockpiles to form a crust immediately at the completion of activity.
- 19-11 Apply and maintain a dust palliative to all outer surfaces of the stockpiles.
- 19-12 Provide and maintain wind barriers on 3 sides of the pile, whose length is no less than equal to the length of the pile, whose distance from the pile is no more than twice the height of the pile, whose height is equal to the pile height, and made of material with a porosity of 50% or less.
- 19-13 Apply a cover or screen to stockpiles.

TRACKOUT PREVENTION AND CLEANUP

BMP 20

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: In soils that have a PEP classification of “High”, pave construction activities roadways as early as possible.

Requirement: Use of soil to create a ramp for vehicle access over a curb is prohibited.

Requirement: Trackout conditions, including preventive and corrective measures, must be recorded daily for every day that the construction project access is used by vehicles.

- 20-1 Record soil conditions and dust control actions in daily project records.

Requirement: Prevent dust from trackout.

- 20-2 Immediately clean trackout from paved surfaces to maintain dust control. Trackout must not extend 50 feet or more.
- 20-3 Maintain dust control during working hours and clean trackout from paved surfaces at the end of the work shift/day. Trackout must not extend 50 feet or more and must be cleaned daily, at minimum.

Requirement: Install and maintain trackout control devices in effective condition at all access points where paved and unpaved access or travel routes intersect.

- 20-4 Install gravel pad(s) consisting of 1” to 3” rough diameter, clean, well-graded gravel or crushed rock. Minimum dimensions must be 30 feet wide by 3 inches deep, and, at minimum, 50’ or the length of the longest haul truck, whichever is greater. Re-screen, wash or apply additional rock in gravel pad to maintain effectiveness.
- 20-5 Install wheel shakers. Clean wheel shakers on a regular basis to maintain effectiveness.
- 20-6 Install wheel washers. Maintain wheel washers on a regular basis to maintain effectiveness.
- 20-7 Install wheel shakers in the event that trackout cannot be controlled with gravel pads.
- 20-8 Install wheel washer in the event that trackout cannot be controlled with gravel pads and wheel shakers.
- 20-9 Motorized vehicles will only operate on paved surfaces.

(Continued on next page)

CONTROL MEASURES SELECTION PAGES

Requirement: All exiting traffic must be routed over selected trackout control device(s).

- 20-10 Clearly establish and enforce traffic patterns to route traffic over selected trackout control device(s).
- 20-11 Limit site accessibility to routes with trackout control devices in place by installing effective barriers on unprotected routes.

TRAFFIC – Unpaved Routes and Parking Areas

BMP 21

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Limit visible dust opacity from vehicular operations.

- 21-1 Limit vehicle speeds to 15 mph on all unpaved routes and parking areas.
- 21-2 Apply and maintain dust palliative on all vehicle travel areas.

Requirement: Stabilize all haul routes.

- 21-3 Apply water to haul routes and maintain in a stabilized condition.
- 21-4 Apply a dust palliative to haul routes and maintain in a stabilized condition.
- 21-5 Apply gravel to haul routes and maintain in a stabilized condition.
- 21-6 Supplement dust palliative or aggregate applications with watering, if necessary.

Requirement: Stabilize all off-road and parking areas.

- 21-7 Apply water to off-road traffic and parking areas and maintain in a stabilized condition.
- 21-8 Apply gravel to off-road traffic and parking areas and maintain in a stabilized condition.
- 21-9 Apply recycled asphalt (or other suitable material) to off-road traffic and parking areas and maintain in a stabilized condition.
- 21-10 Apply and maintain a dust palliative (designed for vehicle traffic) to off-road traffic and parking areas and maintain in a stabilized condition.

Recommendations: Use of bumps or dips for speed control is encouraged.

Apply paving as soon as possible to all future roadway areas for PEP categories other than "High".

TRENCHING

BMP 22

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Stabilize surface soils where trenching equipment, support equipment and vehicles will operate.

- 22-1 Pre-water and maintain surface soils in a stabilized condition where trenching equipment, support equipment and vehicles will operate.
- 22-2 Apply and maintain a dust palliative to surface soils where trenching equipment, support equipment and vehicles will operate.

Requirement: Presoak soils prior to trenching activities.

- 22-3 Pre-water surface, pre-trench to 18" depth, soak soils via pre-trench prior to deep trenching.
- 22-4 **L & ML:** Presoak soil with water using sprinklers or wobblers.
- 22-5 **L & ML:** Presoak with water, using water truck and/or water pull.
- 22-6 **MH:** Presoak soil with a water and tackifier mixture using water pulls and/or water trucks.
- 22-7 **MH:** Presoak soil with a water and tackifier mixture using sprinklers or wobblers.
- 22-8 **H:** Presoak soil with a water and surfactant mixture using water pulls and/or water trucks.
- 22-9 **H:** Presoak soil with a water and surfactant mixture using sprinklers or wobblers.

Requirement: Stabilize soil during trenching activities.

- 22-10 **L & ML:** Complete trenching with a dedicated water truck or large hose maintaining water as needed to prevent dust.
- 22-11 **L & ML:** Use spray nozzles mounted on trenching machine.
- 22-12 **MH:** Complete trenching with a dedicated water truck or large hose maintaining a water and tackifier mixture as needed to prevent dust.
- 22-13 **H:** Complete trenching with a dedicated water truck or large hose maintaining a water and surfactant mixture as needed to prevent dust.

(Continued on next page)

CONTROL MEASURES SELECTION PAGES

Requirement: Stabilize soils at the completion of trenching activities.

- 22-14 Use water to form crust on excavated soil windrow as it is formed.
- 22-15 Use dust palliative to form crust on excavated soil windrow as it is formed.

Recommendations: Wash mud and soil from equipment at completion of trench to prevent crusting and drying of soil on equipment.

See also: BMP 01: BACKFILLING, if applicable.

TRUCK LOADING

BMP 23

**YOU MUST SELECT AT LEAST ONE CONTROL MEASURE FOR EACH REQUIREMENT.
PLACE A CHECK IN THE BOX IN FRONT OF YOUR SELECTION.**

Requirement: Ensure all loads are covered prior to leaving the construction site and traveling on public roadways.

Requirement: Stabilize surface soils where loaders, support equipment and vehicles will operate.

- 23-1 Pre-water and maintain surface soils in a stabilized condition where loaders, support equipment and vehicles will operate.
- 23-2 Apply and maintain a dust palliative on surface soils where loaders, support equipment and vehicles will operate.

Requirement: Stabilize material during loading.

- 23-3 Empty loader bucket slowly and keep loader bucket close to the truck to minimize the drop height while dumping.

Note: You must selected 23-3 if PEP is greater than LOW, in addition one of the following must be selected.

- 23-4 **L & ML:** Mix material with water prior to loading.
- 23-5 **L & ML:** Spray material with water while loading.
- 23-6 **MH:** Mix material with a water and tackifier mixture prior to loading.
- 23-7 **MH:** Spray material with a water and tackifier mixture while loading.
- 23-8 **H:** Mix material with a water and surfactant mixture prior to loading.
- 23-9 **H:** Spray material with a water and surfactant mixture while loading.



**CLARK COUNTY
DEPARTMENT OF AIR QUALITY &
ENVIRONMENTAL MANAGEMENT**

500 S. Grand Central Pkwy. P.O. Box 551776, Las Vegas Nevada 89155-1776
Office (702) 455-5942 · Fax (702) 383-9994

BLASTING SUPPLEMENTAL

Each blasting contractor working under a Dust Control Permit must complete a separate Blasting Supplemental Form and submit applicable fees prescribed in Section 18 of the Air Quality Regulations.

1. PERMIT INFORMATION:

Permit Number: _____

Applicant/Permittee: _____

Project Name: _____

Project Address/Location: _____

2. BLASTING CONTRACTOR INFORMATION:

Blasting Company: _____

Address: _____

Contact Person: _____

Phone #: _____ Cellular #: _____ Fax #: _____

3. BLASTING DETAILS:

Attach selected Control Measures for BMP 03: BLASTING - Soil and Rock.

Monitor and record weather conditions using a suitable source such as the website <http://www.wrh.noaa.gov/Lasvegas/>, Las Vegas Weather - Local Forecast.

Duration of Blasting: _____ Start Date: _____ Finish Date: _____

Hours during which blasting will occur: _____ a.m. to _____ p.m.
(Hours other than 8:00 a.m. through 4:00 p.m., Monday through Friday, excluding holidays, require Control Officers prior review and approval.)

Description of material to be blasted: _____

Total number of acres to be blasted: _____ acres Depth: _____

Distance: To nearest residence: _____ To commercial facility: _____

Have nearby residents been informed? Yes No

4. SUBMITTED BY:

Name: _____ Title: _____

Company Name: _____

Signature: _____ Date: _____



CLARK COUNTY
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DEMOLITION SUPPLEMENTAL

NESHAP notifications must be submitted with renovation/demolition applications regardless of age and/or size of the building.

Permit Number: (If known, otherwise to be completed by DAQEM)

1. PERMIT INFORMATION:

Applicant/Permittee:
Project Name:
Project Address/Location:

2. DEMOLITION CONTRACTOR:

Company Name: Responsible Person:
Address:
Phone #: Cellular #: FAX #:

3. DEMOLITION INFORMATION:

Describe demolition to take place:
Size of building: ft^2 Date of building construction:
Total Number of buildings on site: Number of buildings to be demolished:

4. BEFORE A DUST CONTROL PERMIT CAN BE ISSUED ON SITES REQUIRING AN ASBESTOS SURVEY, THE FOLLOWING IS REQUIRED:

- A. If Regulated Asbestos Containing Material (RACM) is present, a NESHAP notification must be submitted to DAQEM and an Asbestos Waste Certificate must be issued before the asbestos can be removed and disposed.
B. Once the RACM has been abated, submit a final clearance letter from a certified asbestos consultant along with a copy of the license of the individual that cleared the site.
C. Has Asbestos Waste Certificate been received from DAQEM?
No: Yes: Certificate #:

5. SUBMITTED BY:

Name: Title:
Company Name:
Signature: Date:



**OWNER'S DESIGNEE FORM
DUST CONTROL PERMIT for CONSTRUCTION ACTIVITIES**

An Excavation / Encroachment / Offsite permit for government owned land may be submitted in lieu of this form.

1. DESIGNEE INFORMATION:

Applicant/Permittee: _____

Project Name: _____

2. PROPERTY OWNER INFORMATION:

Property Owner

Easement / Right of Way Holder

Name: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ Ext: _____ Fax: _____

I certify that the property owner and/or easement/right-of-way holder has given me permission to act as the Designee and to act on his/her behalf in all matters regarding the issuance, modification, closure and all requirements of the DUST CONTROL PERMIT for Construction Activities. I understand that I am responsible for dust control on the property listed on this application until such time that the permit is closed in accordance with Air Quality Regulations. I have completed the Dust Control Class or will complete the Class, no later than thirty (30) days from today's date. Furthermore, I understand that I am responsible for ensuring the contractor(s), subcontractor(s), and all other persons associated with the Project comply with the "Conditions of Permit" and "Dust Mitigation Plan".

I declare under penalty of perjury that the foregoing is true and correct.

Executed on:

Date

Applicants/Permittee Signature

Printed Name

Title and Company

FIGURE 4: VALLEY SOIL TYPES MAP Las Vegas Valley

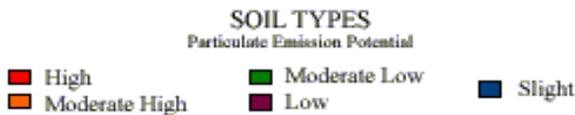
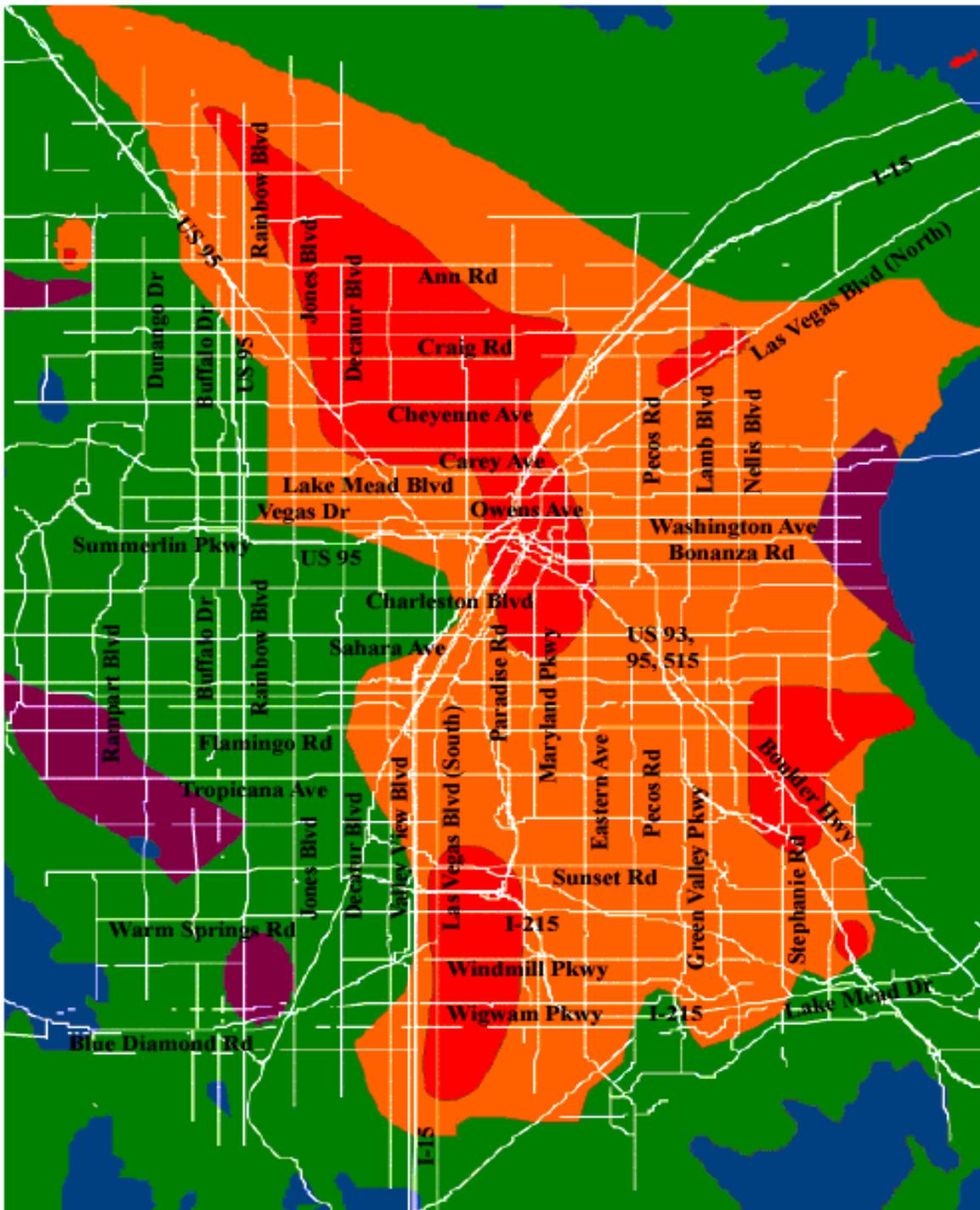
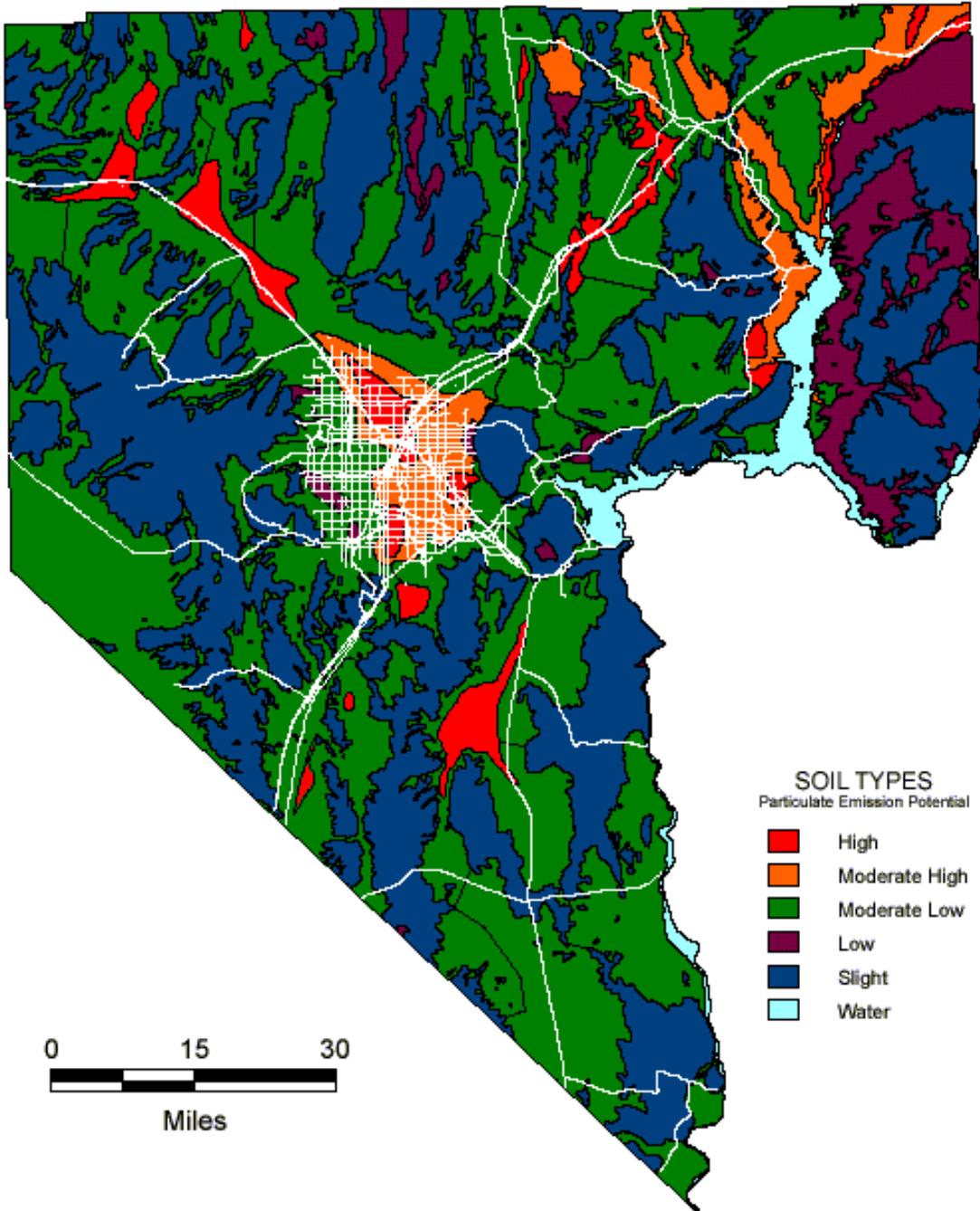


FIGURE 3: COUNTY SOIL TYPES MAP

CLARK COUNTY, NEVADA





Demolition Notification Form

GENERAL INSTRUCTIONS: This Demolition Notification Form is to be completed and submitted before a building or structure is to be demolished. **NOTE: If the building or structure contains friable asbestos-containing materials, the NESHAP Notification of Asbestos Abatement Form (ASB01) must be completed and submitted to the Department of Air Quality Management. This Demolition Form will not be accepted for reporting the removal or encapsulation of friable asbestos-containing materials from buildings or structures scheduled for demolition.** This form is to be received by the Department of Air Quality Management no less than 10 working days before the demolition project is scheduled to start. Any notification that is incomplete or any notification indicating site activities to be in violation of applicable regulations will be considered an invalid notification.

Separate notifications must be provided for each building or other individual facility where demolition of said building or facility is to be demolished. Additional copies of this form should be reproduced as needed.

Under most circumstances, the removal of Category I non-friable asbestos-containing materials will not be required prior to demolition unless the building is to be burned or the materials are in poor condition or will be handled in a manner that renders them friable. Category II non-friable asbestos-containing materials must be removed prior to demolition if the materials would be subject to crushing, crumbling, or pulverizing during the process of demolition of the building or structure.

Mail the **original, signed and completed** form to:

Department of Air Quality Management
Asbestos Program
500 South Grand Central Parkway
P.O. Box 555210
Las Vegas, Nevada 89155-5210
(702) 455-5942

PART A AUTHENTICATION

I hereby certify that, to the best of my knowledge and understanding, the information provided is complete, true and correct.

Print or Type Name: _____ Title: _____

Signature: _____ Date: _____

Name of Firm: _____

Telephone No.: _____ Fax No.: _____

PART B PROJECT DESCRIPTION

Building/Structure Owner: _____

Owner Address: Street: _____

City: _____ State: _____ Zip: _____

Owner Contact - Name: _____ Telephone No.: _____ Fax No.: _____

Building Address - Street: _____ City: _____

Present Use: _____ Age of Building: _____

Building Floor Space (sq ft): _____ No. of Floors: _____

Scheduled Demolition: Start Date: ____/____/____ Completion Date: ____/____/____

Describe how building will be demolished: _____

DNF No. : _____

PART C INSPECTION INFORMATION

Was an inspection for asbestos conducted for this project? _____ Yes _____ No

If yes, provide the following information:

Inspector Name: _____ Date Inspected: _____

Address: _____ City: _____ State: _____

Telephone No.: _____ Fax No.: _____

Accreditation By: _____ Exp. Date: _____

Provide method used to detect the presence of asbestos material, including analytical method: _____

PART D DEMOLITION CONTRACTOR INFORMATION

Contractor: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact: _____ Telephone No.: _____ Fax No.: _____

Procedures to be used if unexpected asbestos is discovered during demolition:

PART E IDENTIFIED ASBESTOS-CONTAINING MATERIALS (remaining in building during demo)

Nonfriable Category I: _____ s.f. _____ l.f. _____ c.yd.

Nonfriable Category II: _____ s.f. _____ l.f. _____ c.yd.

If Category II asbestos containing materials are present, briefly state the work practices intended to ensure these materials do not become friable (i.e. crushed, crumbled or pulverized).

Is the building or structure to be burned? _____ Yes _____ No

NOTE: All asbestos-containing materials must be removed prior to burning.

Was demolition ordered by a Local Government because the structure is structurally unsafe and in danger of imminent collapse? _____ Yes _____ No If yes, order issued by _____ Date _____

NOTE: Attach a copy of the Order.

PART F WASTE DISPOSAL

Disposal Site: _____

Location: City: _____ County: _____ State: _____

Waste Transporter: _____

Address: _____

Phone No.: _____ Fax No.: _____



CLARK COUNTY DEPARTMENT OF AIR QUALITY AND ENVIRONMENTAL MANAGEMENT

ASBESTOS NESHAP NOTIFICATION OF ASBESTOS ABATEMENT

PROJECT NOTIFICATION FEES

An asbestos contractor intending to engage in an asbestos abatement project in Clark County, Nevada is required to submit a Notification Form (via U. S. Postal Service, commercial delivery, or hand delivery), which must be received by the Air Quality Department 10 working days before beginning any on-site work at the asbestos abatement project.

No project notification form is complete until the project notification fee is received by the Division. Please submit only the notification fee at this time. Permit inspection fees (required under Section 18) will be invoiced as inspections occur. Effective each spring, the notification fee shall be adjusted according to the relative percent change from the previous calendar year in the Urban Consumer Price Index (CPI-U) per Subsection 18.21.

- | | |
|----------|---|
| \$602.00 | For each project with RACM: 1. FRIABLE ACM, 2. CATEGORY I NONFRIABLE ACM THAT HAS BECOME FRIABLE, 3. CATEGORY I NONFRIABLE ACM THAT WILL BE OR HAS BEEN SUBJECTED TO SANDING, GRINDING, CUTTING OR ABRADING, 4. CATEGORY II NONFRIABLE ACM THAT HAS A HIGH PROBABILITY OF BECOMING OR HAS BECOME CRUMBLLED, PULVERIZED, OR REDUCED TO POWDER BY FORCES EXPECTED DURING DEMOLITION OR RENOVATION in quantities equal to or greater than 260 linear feet, 160 square feet, or 35 cubic feet. |
| \$0.00 | For each project with FRIABLE ACM OR NONFRIABLE ACM in quantities less than 260 linear feet, 160 square feet, or 35 cubic feet. This notification form is required to be submitted to Air Quality Management. |
| \$0.00 | For each renovation or demolition project with no ACM based on a thorough survey of the structure(s). Please use the Demolition Notification Form (ASB02) to notify the Air Quality Department of demolition of structures with no ACM. This form is also required to be submitted for all demolitions. |
| \$0.00 | For each renovation or demolition project for private residences not meeting the definition of facility. |

GENERAL INFORMATION AND INSTRUCTIONS

SURVEY REQUIREMENTS: *Asbestos surveys are required to be performed for any building undergoing renovation and/or demolition.* There is no age restriction on the building. For implosions and buildings used for fire training purposes, all friable and non-friable asbestos containing materials must be removed from the structure.

NOTIFICATION REQUIREMENTS: Notifications where no asbestos is present in the structure but where demolition will occur must be submitted 10 working days prior to demolition. In those cases where a 1000 square foot building or larger will be demolished, the notification form can be submitted with the dust control permit application.

Original notifications for asbestos regulated jobs must be submitted to the Clark County Department of Air Quality and Environmental Management (DAQEM), P.O. Box 555210, Las Vegas, NV 89155-5210 at least 10 working days prior to beginning any on-site work at the asbestos abatement project. This notification can be via U. S. Postal Service, commercial delivery, or hand delivery. Fax copies are not acceptable for regulated projects.

Regulated projects must also comply with the specifications and notification requirements of the Clark County Fire Department, City of Las Vegas Fire Department, Nevada OSHA and the Southern Nevada Health District.

Notifications for non-regulated jobs must be submitted as soon as possible prior to the start of the project, but not after the project is complete. Fax copies of these notifications are acceptable.

Notifications for planned, renovation operations (e.g. routine maintenance for very small amounts of material) involving individual nonscheduled operations at a facility throughout a calendar year must be submitted at least 10 working days before the end of the calendar year preceding the year for which the notification is for.

All other notifications for demolition or renovation must be submitted at least 10 working days prior to beginning work.

Fill out the notification form completely regardless whether the project is regulated or not.

FEE REQUIREMENTS:

Notifications for regulated projects under the NESHAP must be accompanied by a \$602 fee. Notifications submitted without the fee will be deemed incomplete and will not be processed. There is no fee for projects containing less than the EPA threshold amount of RACM, for demolition or renovation of structures with no asbestos containing materials, or for private residences not meeting the definition of facility. Projects conducted without valid notification are subject to enforcement action.

Other fees for weekly inspections and post-abatement inspections will be invoiced to the company. Do not pay these fees upfront.

CANCELLATION:

If a project has been cancelled, the company must notify DAQEM by fax or mail by using the original notification form by placing a "C" (for "cancelled") under "Type of Notification" (Section 1). Any fee paid may be refunded, but the company must request that this be done and should do so when the revised notification is sent. The fee cannot be applied to the next regulated project.

REVISIONS:

Note the revision number on the form, along with the waste certificate number (if received). Note any other revisions, e.g. if the start and stop dates changes, the amount of RACM changes by at least 20%, or if

contacts or numbers change. A fax copy of the revised notification is acceptable.

EMERGENCY NOTIFICATIONS:

These are for immediate asbestos removals due to unsafe conditions, such as fire, site contamination, flooding, or equipment breakdowns. For emergency removals, submit a letter on official or company letterhead from the person or agency authorizing the emergency work. For ordered demolitions, provide a copy of the order with the notification. A building that has not been secured and is experiencing vagrancy problems is not considered an emergency. The owner/operator of the building is responsible for providing for the security of the building. Fax copies of the NESHAP Notification Form are acceptable for Emergencies and Ordered Demolitions.

INSTRUCTIONS FOR THE NESHAP NOTIFICATION FORM

Please print or type all information. Fill in all numbered sections on the form. Use N/A (“not applicable”) where appropriate.

Section 1 Type of Notification: Enter O if this is an original notification, R1 if this is the first revision, R2 if a second revision, and so forth. Enter C if the project has been cancelled. For revisions, enter the waste certificate number (if received).

Section 2 Facility Information: Include the owner’s name, address, and appropriate contact person. A telephone and fax number must be entered.

Include the abatement removal contractor’s name, address, and appropriate contact person. A telephone and fax number must be entered.

Include the other operator/consultant. This is the third party consultant hired by the facility owner. Fill in all blanks.

Section 3 Type of Operation: Enter D if the notification is for a simple demolition (the taking out of a load-supporting structural member or intentional burning) of a building or structure, otherwise enter R for renovation. Enter Planned, Nonscheduled Renovations (PNR) for the small (less than EPA regulated amounts) renovation (maintenance) jobs expected to be conducted on an annual basis. Note the calendar year for which the annual notification is made. The notification for planned, non-scheduled renovations must be submitted at least 10 working days before the end of the calendar year preceding the year for which notice is being given.

Section 4 Asbestos Present? Self explanatory. If no asbestos was found, complete Sections 5,10, and 18 and attach the survey results to the notification and submit to the DAQM. If the structure(s) is/are to be demolished, a Demolition Notification Form (ASB02) must be submitted at least 10 working days prior to demolition.

Section 5 Facility Description: Self explanatory. Note the complete address including the zip code. Attach a separate sheet if there are multiple addresses or parcel numbers with the type and amount of ACM noted for each address. If a business was run out of a private residence, this must be noted. Condominiums and apartments are public buildings. Rental properties (e.g. private homes, mobile homes and trailers) are commercial businesses. Mobile homes and trailers used for offices are commercial businesses. Attach a location map to the notification. For any facility (especially large facilities such as hotels/casinos), designate the specific location(s) where abatement will occur).

Section 6 Detection Procedure: Describe the analytical methods or knowledge used to determine the presence of RACM and Category I and II non-friable ACM. PLM = Polarized Light Microscopy; PCM = Phase Contrast Microscopy; TEM =

Transmission Electron Microscopy; X-Ray Diffraction; bulk sampling, or process knowledge.

Section 7 Amount of Asbestos: Enter the amount of RACM to be removed in the appropriate box, under the appropriate type. Estimate the amount of Category I and II non-friable asbestos containing materials in the affected part of the facility that will be removed as well as that which will not be removed before demolition. If the amount of RACM changes by at least 20%, revision of the notification form is required. If a number of buildings are to be demolished in a phase, note addresses of each, type and amount of ACM of each, on a separate attachment.

Section 8 Dates of Abatement: Enter the actual start and end dates. The start date is the day of initial setup, e.g. delivery of supplies on site.

Section 9 Hours of Operation: Enter the expected hours of abatement removal operations. Note a.m. or p.m.

Section 10 Dates of Demolition: Enter the expected dates of actual demolition.

Section 11 Description of Demo or Reno and Methods To Be Used: Describe how demolition will be performed and the specific methods/techniques to be used for renovation. Describe the affected facility components.

Section 12 Description of Work Practices and Engineering Controls to Prevent Emissions: Describe in detail the work practices and engineering controls for the project. Note the specific methods/techniques to be used in the asbestos abatement (e.g. pry bars, saws {note type, e.g. reciprocating}, power plows/slicers, other power tools, hammers, axes, dry ice, solvents, brushes, infrared machines, shot blasters, etc.). Include the emission control procedures for asbestos removal and waste handling. Include the number of negative air machines expected to be used. Include how/where the waste will be handled and stored if not taken directly to the landfill. Do not simply repeat the same information for each notification as each project is different.

Section 13 Waste Transporter: Self explanatory. All blanks must be filled in.

Section 14 Waste Disposal Site: Self explanatory. All information is required to be provided. Once the NESHAP Notification is deemed complete, an Asbestos Waste Certificate is issued from the Clark County Department of Air Quality and Environmental Management to the removal contractor, so the ACWM can be disposed of at the Apex Landfill.

Section 15 Ordered Demolition: Provide all information requested for the state or local agency representative who has ordered the demolition. Attach a copy of the order to the notification.

Section 16 Emergency Renos: For emergency removals, submit a letter on official or company letterhead from the person or agency authorizing the emergency work. Provide a description of the sudden, unexpected event and an explanation of how the event caused an unsafe condition, or would cause equipment damage or an unreasonable financial burden. Provide the date and hour that the emergency occurred – month, day year (e.g. 8/21/01 – 14:30 hrs).

Section 17 Procedures to Be Followed in Case Unexpected RACM is Found, or Cat. I or II ACM Becomes Friable: Describe in detail how unexpected RACM would be handled, or if Category I or II ACM becomes crumbled, pulverized or reduced to powder.

Section 18 Certification: Ensure all information is complete and accurate prior to signing the form. *Notifications must be signed by the contractor doing the work, or its authorized company representative.*



CLARK COUNTY DEPARTMENT OF AIR QUALITY AND ENVIRONMENTAL MANAGEMENT

**ASBESTOS NESHAP
NOTIFICATION OF ASBESTOS ABATEMENT**

Attn: NESHAP Notification Coordinator, Clark County Department of Air Quality and Environmental Management
500 S. Grand Central Parkway, P. O. Box 555210, Las Vegas, NV 89155-5210 Telephone: (702) 455-5942 FAX: (702) 383-9994

Operator Project #: _____	Waste Certificate #: _____
---------------------------	----------------------------

1. Type of Notification: _____ O=Original R=Revised C=Cancelled

2. Facility Information:

Owner: _____
Address: _____

Contact Person: _____ Tel: _____ FAX: _____

Removal Contractor: _____
Address: _____

Contact Person: _____ Tel: _____ FAX: _____

Other Operator/Consultant: _____
Address: _____

Contact Person: _____ Tel: _____ FAX: _____

3. Type of Operation: _____ D=Demolition, R=Renovation, E=Emergency Reno, O=Ordered Demo,
PNR = Planned, nonscheduled renovations (annual), Year: _____

4. Is Asbestos present? _____ Yes _____ No If no, submit survey results and complete sections 5, 10, and
18 (Certification).

Description of ACM type and nature:

17. Description of Procedures to be followed in the event that unexpected asbestos is found or previously non-friable asbestos material becomes crumbled, pulverized or reduced to a powder.

CERTIFICATION

18. I certify that an individual trained in the provisions of this regulation (40 CFR 61 Subpart M) will be on site during the demolition or renovation and have evidence that the required training has been accomplished. This person will be available for inspection during normal business hours.

I certify that the information (contained in sections #1 through #18) on this form is current and correct.

Signature: _____

Date: _____

Printed Name: _____

Joelle Dickson

From: Rob Saunders [rsaunder@ndep.nv.gov]
Sent: Tuesday, December 02, 2008 3:10 PM
To: Joelle Dickson
Subject: Application requirements for a temporary permit for construction dewatering
Attachments: temp-pmt.pdf

Joelle Dickson
Sage Environmental
(801)322-2050
jdickson@sage-env.com

Joelle

As we discussed, the subject application requirements are as follows.

1. form - attached (also on the web site)
2. \$250 fee
3. water analyses:
8015 ORO DRO & GRO ranges, 0.5 mg/l RLs
8260 full range report all parameters, 0.5 ug/l RLs
metals: antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, copper, fluoride, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, selenium, silver, thallium, zinc, and hardness as calcium carbonate. Analyses shall be for total metals.
4. Narrative description of planned procedures including BMPs for sediment and erosion control as needed.

Please let me know if you have any questions.

Rob

Robert J Saunders
Staff Engineer
Bureau of Water Pollution Control
Nevada Division of Environmental Protection
901 S Stewart St Ste 4001
Carson City NV 89701-5249
phone: (775)687-9437
fax (775)687-4684
email: rsaunder@ndep.nv.gov
web: <http://ndep.nv.gov>

LIST OF REQUIREMENTS FOR TEMPORARY PERMIT APPLICATION

A temporary permit may be issued for a maximum of a 180 day (6 month) period of time, pursuant to NRS 445A.485, after which time the discharge shall cease or the discharger shall have applied for and received a Permanent Discharge Permit. A \$250.00 fee is due at the time of application.

I. Owner Information

Name: _____
Address: _____
City: _____ County: _____
State: _____ Zip Code: _____
Telephone Number: (_____) _____ Fax Number: (_____) _____
Contact Person: _____

II. Facility/Site Information

Facility Name: _____
Facility Address: _____
City: _____ County: _____
State: _____ Zip Code: _____
Telephone Number: (_____) _____ Fax Number: (_____) _____
Contact Person: _____

Latitude: _____ Longitude: _____
Township: _____ Range: _____
Section: _____

III. Receiving Water Name

If the discharge enters a separate storm water drainage or other system, please provide the following information:

- a. The name of the owner of the drainage
- b. The name of the receiving water into which the drainage system discharges; and
- c. A copy of the permit, license, or equivalent written approval granted by the owner of the system for such a discharge or connection to the system

IV. **A narrative description** of the site & activities that require the discharge permit. Describe any treatment system and/or Best Management Practices to be used at the facility.

V. **Water Quality Analysis** (must use a Nevada State Certified Lab) to include the potential contaminants/pollutants in the discharge.

VI. **Quantity of discharge:** Flow (gallons per day) _____

VII. Attach a topographic map and a site map showing the location of the potential discharge and a line drawing showing the general route taken by water in the facility from intake to discharge.

VIII. Existing Environmental Permits

NPDES Permit (Discharges to Surface Water) _____
NEV Permit (Discharges to Ground Water) _____

IX. I certify that I am familiar with the information contained in the application and that to the best of my knowledge and belief such information is true, complete, and accurate.

Printed Name of Person Signing

Title

Signature of Applicant

Date Application Signed

LIST OF REQUIREMENTS FOR A TEMPORARY PERMIT APPLICATION

////////////////////////////////////

A temporary permit is issued for a maximum of a 180 day (6 month) period of time, after which time the discharge shall cease or the discharger shall have applied for and received a Permanent Discharge Permit.

- A. A narrative description of the site to include the following items if they apply to the discharge:
 - a. the type of contamination and source,
 - b. the type of treatment system to be installed,
 - c. the location and address of the site,
 - d. the discharge point and conveyance,
 - e. the Latitude and Longitude

- B. A topographic map with the site delineated and the discharge point outlined.

- C. Water Quality Analysis (must use a Nevada State Certified Lab) to include the contaminants/pollutants in the discharge.

- D. The estimated flow rate in GPM for each discharge point and total for the site.

- E. A copy of the Letter of Authorization or Encroachment permit authorizing the discharge to the conveyance from the City or the County with jurisdiction over the land use.

- F. FEES: \$250.00 for a Temporary Permit to discharge, and