

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION**

SUBJECT: PROCEDURE TO IDENTIFY UNDERLYING APPLICABLE REQUIREMENTS FOR  
CONDITIONS IN RENEWABLE OPERATING PERMITS

EFFECTIVE DATE: April 25, 1996

REVISED: November 22, 1996

**BACKGROUND**

Rule 213(2)(a) requires that a Renewable Operating Permit (ROP) specify and reference the underlying applicable requirement for each permit term or condition. In the past, permits to install have not always identified the applicable requirement for a special condition. In accordance with Rule 213, however, the regulatory basis for each of these permit conditions must be clearly identified in the ROP.

An applicable requirement is defined by Rule 101(O). Applicable requirements, as they apply to process or process equipment, include requirements such as those approved under Act 451, the SIP, or through EPA final rule making at the time of issuance of the ROP .

Rule 210(14) states that as part of an application for a ROP, a person may seek to establish that certain terms or conditions of a permit to install, permit to operate, or consent order/judgment entered pursuant to Act 451, are no longer applicable requirements and should therefore not be included in the ROP. In addition to this provision, permit reviewers have the ability to delete conditions that may no longer be applicable.

The purpose of this document is to set forth the procedure that AQD will use to determine if an existing New Source Review (NSR) permit condition or term of an existing consent order or judgment, should be consolidated, deleted and/or included in the ROP. As it is necessary to reference the underlying applicable requirement (UAR) for each of the ROP conditions, this document will also identify the process AQD will use to determine the underlying applicable requirement for each of these conditions.

**PROCEDURE**

During technical review of the ROP application, the reviewer may need to follow several sequential steps to determine the need for inclusion/exclusion of each term or condition as well as to identify the appropriate UAR for the given term or condition. The reviewer should consider the ROP application (AR-001 form), NSR permits, consent orders and judgments, state and federal rules and regulations, and AQD file information in conducting this determination. The steps are as follows:

1. Identify all active consent orders (CO) and judgments for the facility. All applicable requirements (as defined in Rule 101(O)) from these orders and judgments should be included in the ROP. (Refer to forthcoming Enforcement Unit guidance document outlining the terms and conditions in consent orders and judgments that should be included in the

ROP.) The UAR should include the specific paragraph number and order/judgment number for a given term/condition (i.e., Paragraph 5(a)(3), Consent Order No. 34-1997). In addition, if the term or condition in the order/judgment was based upon or is a New Source Review permit condition that was incorporated into the CO, the UAR that formed the basis of the condition should be included after the consent order/judgment citation (i.e., Paragraph 5(a)(3), Consent Order No. 34-1997, R 336.1230). Proceed through the next steps to determine the UAR(s) for permit conditions.

2. Identify all active permits for the facility (see ROP Technical Review Procedures). In most cases, NSR permits for exempt devices need not be reviewed to determine their underlying applicable requirements as they will not be included in the ROP. (Note: Rule 287 & Rule 290 exempt devices reported on DV-forms will need to be reviewed as these devices will become emission units in the ROP. In most cases the UAR for conditions in these emission units will be the appropriate rule/paragraph citation from Rules 287 or 290.)
3. Conduct a review of NSR permit(s)/permit conditions by emission units or flexible group, if possible, as permit conditions will be grouped by emission units/flexible groups in the final ROP. Refer to ROP Technical Review Procedure and Policy and Procedure AQD-006).
4. Determine if the permit condition is obsolete, redundant or included as a general condition in the ROP shell document. Some examples of such conditions would include the following:
  - one with an expired date where the condition has been met (obsolete)
  - one that references a rescinded rule (obsolete)
  - one that references Special Condition 99 (obsolete)
  - “An air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law.” (general condition)
  - “Must keep monthly records of the amount of red paint used.” and “ Must keep monthly records of amounts of all coating used.” (redundant)
  - one that sets a noise limit (obsolete because beyond scope of air regulations)

Such conditions should not be included in the ROP. Multiple applicable requirements within an emission unit may be streamlined into a single set of permit terms and conditions. Refer to “EPA White Paper #2, Section A: Streamlining Multiple Applicable Requirements on the Same Emission Unit(s)” and the ROP Technical Review Procedures.

5. Examine each permit condition to determine if it identifies an emission **limit**. For such conditions, the NSR permit evaluation sheet should be referenced if available. Applicable requirements for emission limits are usually identified on these review sheets. If the applicable requirement is not identified, **Attachment 1** should be reviewed to determine if the condition is represented by one of these special qualifiers. **The list of special qualifiers includes special rules and regulations that form the basis for many emission limits.** If the applicable requirement for the emission limit is still not apparent, AQD file information or appropriate staff should be referenced to determine the regulatory basis for the limit.
6. For other permit conditions, determine if the condition is included in **Attachment 2** (a list of special conditions commonly used in permits to install). If so, reference **Attachment 3** to identify the applicable requirement(s) associated with the given condition. Using Attachment

3, the reviewer must make a determination as to the appropriateness of the requirement(s) listed for the condition. Not all listed requirements for a given condition are appropriate in each case. Refer to the Air Pollution Control Rule Book or federal regulations if you are unfamiliar with the referenced requirements. A condition may have more than one applicable requirement. Choose the most stringent and be as specific as possible in the rule citation (i.e., subparagraph). If the condition is not listed or the applicable requirement(s) identified is not appropriate, the reviewer should proceed to step 7 or 8.

7. Permit Section staff may be contacted at this point for assistance. The first point of contact should be the original permit reviewer. If that person is not available, the initial contact should be the Unit Supervisor of the Permit Unit that handles the permits for that type of process (e.g., chemical or hazardous waste processes - Chemical Process Unit; boiler or foundries - Thermal Process Unit; paint booths or misc. manufacturing - General Manufacturing Unit).
8. If the condition is not identified by the above, it may be appropriate to cite Rule 201(3) as the underlying applicable requirement for that condition. (Rule 201(3) states "A permit to install may be approved subject to any condition, specified in writing, that is reasonably necessary to assure compliance with all applicable requirements.") Rule 201(3) may be used if a permit condition was developed to reflect operating parameters as proposed in an NSR application and for which further review was not conducted because of this limitation.

Rule 213(3) should be used for **new or modified** conditions in the ROP related to testing, monitoring, recordkeeping, reporting and compliance evaluation activities not outlined in the original NSR permit unless these conditions are specifically required as part of a rule. (i.e., for recordkeeping required by Rule 632(7), the UAR would be Rule 632(7) instead of Rule 213(3).)

9. Regardless of the determination identified by the above steps, if the permit reviewer concludes that the condition is not necessary to meet applicable requirements, the condition may be excluded from the ROP. (The condition may or may not have been proposed for deletion by the facility in the application.) This determination should be made only after careful consideration of the impact of removing the permit condition on the source's ability to comply with state and federal requirements and the state's ability to ensure that the source is in compliance.
10. If the applicant disputes the inclusion of, or the basis for, any given permit condition, the technical reviewer should make a case-by-case determination in consultation with their supervisor.

If you have questions or comments regarding this procedure, please contact Heidi Hollenbach at 616-540-1136 or Mike Kovalchick at 517-465-5025.

RSJ:HH:MK:amh

## ATTACHMENT 1

### SPECIAL QUALIFIERS

1. This condition establishes the **best available control technology** pursuant to the requirements of Rule 702. (Note: Rule 702(a), (c), or (d) [Michigan VOC BACT/Part 6 Rules] could be part of the basis for the control technology determination for Special Conditions #s 25, 26, 50a, 50b, 51, 53, 54, 61a,b,c, 70, 72, 82, 83, 84, 86, 91, 92)
2. This condition establishes the **best available control technology for toxic air contaminants** pursuant to the requirements of Rule 230(1) or (3). Prior to April 17, 1992, emission limits set for toxic air contaminants were based upon Rule 901. (Note: T-BACT could be part of the basis for the control technology determination for Special Conditions #s 22a, 26, 27, 50a, 50b, 51, 61a,b,c, 64, 68a, 70, 70a(a-e), 71, 72, 73, 78, 82, 83, 84, 86, 91, 92, 101, 101a-f, 102, 103, 111, 113, 114, 115, 116, 117, 118, 214-230)
3. This condition establishes the **[lowest achievable emission rate/best available control technology]** pursuant to the requirements of Rule 220(1)(a). (Note: LAER/BACT could be part of the basis for the control technology determination for Special Conditions #s 22a, 24, 25, 26, 27, 30a,b,c, 50a, 50b, 51, 53, 54, 61a,b,c, 66a, 66b, 67a,b,c, 68, 68a, 70, 70(a-e), 71, 72, 73, 74, 82, 83, 84, 86, 91, 92, 214-230)
4. This condition establishes the best available control technology pursuant to the Federal **Prevention of Significant Deterioration** regulations, 40 CFR 52.21, paragraph (j). (Note: PSD 40 CFR 52.21(j) could be part of the basis for the control technology determination for Special Conditions #s 20, 22, 22a, 23, 24, 25, 26, 27, 30a,b,c, 42, 43, 50a, 50b, 51, 53, 54, 61a,b,c, 64, 66a, 66b, 67a,b,c, 68, 68a, 70, 70a, 71, 72, 73, 74, 82, 83, 84, 86, 91, 92, 111, 113, 114, 115, 116, 117, 214-230)
5. This condition establishes an **enforceable restriction on the potential to emit**. Without this limit the process equipment covered by this permit would have been subject to the [requirements of Rule 220/Federal Prevention of Significant Deterioration regulations, 40 CFR 52.21] for [volatile organic compounds/oxides of nitrogen/particulate matter/sulfur dioxide/carbon monoxide/lead]. (Note: If a "synthetic minor" NSR permit issued after July 26, 1995, the underlying applicable requirement for the emission limit would be Rule 205. Before this date, it would be Rule 201(3).)
6. This condition is established pursuant to the **National Emission Standards for Hazardous Air Pollutant** (NESHAP) requirements of 40 CFR Part 61, Subpart\_\_\_\_.
7. This condition is necessary to assure that emissions from the process equipment covered by this permit will not interfere with the **attainment or maintenance** of the national ambient air quality standard or prevention of significant deterioration increment for any air contaminant pursuant to Rule 207(1)(b) and Federal Prevention of Significant Deterioration regulations, 40 CFR 52.21, paragraph (c). ( Note: If a "synthetic minor" NSR permit issued after July 26, 1995, the underlying applicable requirement for the emission limit would be Rule 205. Before this date, it would be Rule 201(3).)

8. This condition is necessary to assure that emissions from the process equipment covered by this permit will not result in a maximum ambient impact that is more than an **initial threshold screening level or initial risk screening level**, or both, pursuant to Rule 230(1)(b). (Note: NSR permit issued after July 26, 1995, the underlying applicable requirement for the emission limit would be Rule 205. Before this date, it would be Rule 201(3).)
9. This condition is necessary to assure that emissions from the process equipment covered by this permit will not result in a maximum ambient impact that is more than a **secondary risk screening level** pursuant to Rule 230(5). (Note: NSR permit issued after July 26, 1995, the underlying applicable requirement for the emission limit would be Rule 205. Before this date, it would be Rule 201(3).)
10. This condition is established pursuant to Section 112(d) of the CAAA (**MACT standards**) and codified under NESHAP 40 CFR Part 6,1 Subpart\_\_\_\_\_.

**Notes:**

1. Qualifiers 7, 8, and 9 are primarily meant to be used in conjunction with Special Condition No. 80 which regulates stack height and diameter or any other condition that affects dispersion. An additional situation where Qualifier 9 might be used on an emission limit is when a company agrees to limits on an existing process equipment in order to bring emissions from their existing and new equipment below the secondary risk screening level.
2. If a particular control technology determination applies to a particulate emission rate, it also applies to the opacity limit, with the exception of those set by Rules 331 and 301.

**REGULATED POLLUTANT VS NSPS SUBPART**  
(These may also be cited as applicable requirements where appropriate)

<b><u>Regulated pollutant</u></b>	<b><u>Applicable Subparts</u></b>
Opacity	A, N, OOO, I, G
Lead	KK
Total Reduced Sulfur	BB
CO	J, Z
Fluorides	S, T, U, V, W, X
NO <sub>x</sub>	D, Da, Db, G, FF, GG
SO <sub>x</sub>	D, Da, Db, Dc, H, J, P, Q, R, GG, LLL
VOC	K, Ka, Kb, EE, JJ, MM, OO, QQ, RR, SS, TT, VV WW, XX, BBB, DDD, FFF, GGG, HHH, III, JJJ, KKK, NNN, QQQ, SSS, TTT, VVV, WWW
PM	D, Da, Db, Dc, E, F, I, J, L, M, N, Na, O, P, Q, R, Y, Z, AA, BB, CC, DD, HH, II, LL, NN, PP, UU, AAA, EEE, MMM, OOO, PPP, UUU

## ATTACHMENT 2

- 20 The \_\_\_\_\_ **(pollutant)** emission from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(milligrams per cubic meter)** milligrams per cubic meter, corrected to 70°F and 29.92 inches Hg.
- 21 The \_\_\_\_\_ **(pollutant)** emission from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(parts per million)** parts per million by volume.
- 22 The \_\_\_\_\_ **(pollutant)** emission rate from the \_\_\_\_\_ **(source emission)** shall not exceed \_\_\_\_\_ **(pounds per hour)** pounds per hour nor \_\_\_\_\_ **(tons per year)** tons per year.
- 22a The \_\_\_\_\_ **(pollutant)** emission rate from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(pound per hour)** pounds per hour nor \_\_\_\_\_ **(tons per year)** tons per year. These limits are based on a maximum usage rate of \_\_\_\_\_ **(gallons per year)** gallons per year of water-based coatings with a formulation VOC content of \_\_\_\_\_ **(pounds per gallon)** pounds per gallon, minus water, as applied.
- 23 The sulfur dioxide emission rate from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(pound per million BTUs)** pound per million BTUs heat input, based upon a 24-hour period. This is equivalent to using \_\_\_\_\_ **(fuel type)** with a \_\_\_\_\_ **(Percent of sulfur)**% sulfur content and a heat value of \_\_\_\_\_ **(BTUs per #)** BTUs per pound.
- 24 The nitrogen oxides emission rate from the \_\_\_\_\_ **(emission source)** when firing \_\_\_\_\_ **(fuel type)** shall not exceed \_\_\_\_\_ **(pound per million)** pound per million BTUs heat input, based on a 24-hour average.
- 25 The volatile organic compound (VOC) emission rate from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(pounds per gallon of solids applied)** pounds per gallon of solids applied, based upon a 24-hour averaging period. This is equivalent to using a coating comprised of not more than \_\_\_\_\_ **(pounds of VOC minus water)** pounds of VOC per gallon of coating (minus water) as applied, with a VOC density of \_\_\_\_\_ **(pounds per gallon)** pounds per gallon, and with a mass transfer efficiency of \_\_\_\_\_ **(percent)**%. Equivalent emission rates will be calculated according to the method outlined in Appendix \_\_\_\_\_ **(appendix no.)**.
- 26 The volatile organic compound (VOC) emission from the \_\_\_\_\_ **(emission source)**, comprised of \_\_\_\_\_ **(list here the equipment that makes up the emission source)**, shall not exceed the allowed emission rate which is determined by the method detailed in Appendix \_\_\_\_\_ **(appendix no.)**, based upon a \_\_\_\_\_ **(averaging period)** averaging period.
- 27 The volatile organic compound (VOC) emission rate from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(pounds per gallon minus water)** pounds per gallon of coating (minus water) as applied, based upon a \_\_\_\_\_ **(averaging period)** averaging period.
- 30a Rule 331 - The particulate emission from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(pound per 1000)** pound per 1,000 pounds of exhaust gases, corrected to 50% excess air.

- 30b Rule 331 - The particulate emission from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(pound per 1000)** pound per 1,000 pounds of exhaust gases, calculated on a dry gas basis.
- 30c Rule 331 - The particulate emission from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(pound per 1000)** pound per 1,000 pounds of exhaust gases.
- 31 Rule 331 - For the maximum allowable process weight rate of \_\_\_\_\_ **(tons per hour)** tons per hour, the particulate emission rate from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(pounds per hour)** pounds per hour. Allowable particulate emission rates for lower process weight rates are based on Table 2, Rule 331(e).
- 32 The \_\_\_\_\_ **(pollutant)** emission rate from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(limits, as specified in NSPS)**. This limit is based on the Federal Standards of Performance for New Stationary Sources, 40 CFR Part 60, Subparts A and \_\_\_\_\_ **(subpart)**.
- 33 The \_\_\_\_\_ **(pollutant)** emission rate from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(limit as specified in NESHA)**. This limit is based on the National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 61, Subparts A and \_\_\_\_\_ **(subpart)**.
- 34 The emission of asbestos, the filter fabric, the operation of the fabric filter collector and the disposal of all asbestos-containing waste shall comply with the specifications found in the National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 61, Subpart M.
- 40 Visible emissions from the \_\_\_\_\_ **(emission source)** shall not exceed a 6-minute average of 20% opacity, except as specified in Rule 301(1)(a) .
- 41 Visible emissions from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(opacity limit)**% opacity except as specified in the Federal Standards of Performance for New Stationary Sources, 40 CFR Part 60, Subparts A and \_\_\_\_\_ **(subpart)**.
- 41a Visible emissions from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(opacity limit)**% opacity. This limit is based on the Federal Standards of Performance for New Stationary Sources, 40 CFR Part 60, Subparts A and \_\_\_\_\_ **(subpart)**.
- 42 Visible emissions from the \_\_\_\_\_ **(emission source)** shall not exceed \_\_\_\_\_ **(opacity limit)**% opacity.
- 43 There shall be no visible emissions from the \_\_\_\_\_ **(source)**.
- 44 Visible emissions from the asphalt plant shall be less than 20% opacity except as specified in the Federal Standards of Performance for New Stationary Sources, 40 CFR Part 60, Subparts A and I.
- 45 The limit in Special Condition No. \_\_\_\_\_ **(condition no.(s))** is based on a determination of Best Available Control Technology pursuant to the Federal Prevention of Significant Deterioration Regulations, 40 CFR 52.21, paragraph (j).
- 50a Rules 1001, 1003 and 1004 - Within 180 days after commencement of trial operation, verification of \_\_\_\_\_ **(pollutant(s))** emission rates from the \_\_\_\_\_ **(emission source)** by testing, at owner's expense, in accordance with Department requirements, will be required for operating approval. Verification of emission rates includes the submittal of a complete report of the test results. No less than \_\_\_\_\_ **(no. of days)**



days prior to testing, a complete stack testing plan must be submitted to the Air Quality Division. The final plan must be approved by the Air Quality Division prior to testing.

- 50b Rules 1001, 1003 and 1004 - Within 180 days after commencement of trial operation, verification of \_\_\_\_\_ **(pollutant(s))** emission rates from the \_\_\_\_\_ **(emission source)** by testing, at owner's expense, in accordance with Department requirements, will be required for operating approval. Verification of emission rates includes the submittal of a complete report of the test results. Stack testing procedures and the location of stack testing ports shall be in accordance with federal Reference Methods \_\_\_\_\_ **(list reference methods)** and 1 or 1A, respectively, 40 CFR Part 60, Appendix A. No less than \_\_\_\_\_ **(no. of days)** days prior to testing, a complete stack testing plan must be submitted to the Air Quality Division. The final plan must be approved by the Air Quality Division prior to testing.
- 51 Rules 1001, 1003 and 1004 - Verification of \_\_\_\_\_ **(pollutant(s))** emission rates from the \_\_\_\_\_ **(emission source)** by testing, at owner's expense, in accordance with Department requirements, may be required for operating approval. Verification of emission rates includes the submittal of a complete report of the test results. If a test is required, stack testing procedures and the location of stack testing ports must have prior approval by the District Supervisor, Air Quality Division, and results shall be submitted within 120 days of the written requirement for such verification.
- 52 Within 60 days after achieving the maximum production rate, but not later than 180 days after the commencement of trial operation, Federal Standards of Performance for New Stationary Sources require verification of \_\_\_\_\_ **(pollutant)** emission rates from the \_\_\_\_\_ **(emission source)** by testing, at owner's expense, in accordance with 40 CFR Part 60, Subparts A and \_\_\_\_\_ **(subpart)**. Verification of emission rates includes the submittal of a complete report of the test results. Applicant shall notify the District Supervisor in writing within 15 days of the date of commencement of trial operation in accordance with 40 CFR 60.7(a)(3). Stack testing procedures and the location of stack testing ports shall be in accordance with the applicable federal Reference Methods, 40 CFR Part 60, Appendix A. No less than \_\_\_\_\_ **(no. of days)** days prior to testing, a complete stack testing plan must be submitted to the Air Quality Division. The final plan must be approved by the Air Quality Division prior to testing.
- 52a Within 60 days after achieving maximum production rate, but not later than 180 days after commencement of trial operation, Federal Standards of Performance for New Stationary Sources require evaluation of visible emissions from the \_\_\_\_\_ **(emission source)**, at owner's expense, in accordance with 40 CFR Part 60, Subparts A and 000. Visible emission observation procedures must have prior approval by the District Supervisor, Air Quality Division.
- 53 Within 180 days after the commencement of trial operation, applicant shall verify the mass transfer efficiency of the coating system, the efficiency of the VOC capture system, the control efficiency of the \_\_\_\_\_ **(control equipment)**, and the average fractional period of time of operation the \_\_\_\_\_ **(control equipment)** is functioning properly.
- 54 Within 180 days after the commencement of trial operation, applicant shall verify the mass transfer efficiency of the coating system.
- 55A Written notification of the actual date of initial startup of the \_\_\_\_\_ **(emission source)** is required to comply with the Federal Standards of Performance for New Stationary Sources, as specified in 40 CFR Part 60, Subpart A. This notification shall be submitted to the Air Quality Division within 15 days after the startup date and may be submitted in conjunction with notification requirements required per General Condition No. 4 of this permit.

- 60a Applicant shall monitor and record the \_\_\_\_\_ **(pollutant)** from the \_\_\_\_\_ **(emission source)** on \_\_\_\_\_ **(type of basis)** basis in a manner and with instrumentation acceptable to the Air Quality Division. All \_\_\_\_\_ **(information/data)** shall be submitted to the District Supervisor in an acceptable format within 30 days following the end of the \_\_\_\_\_ **(specify time period)** in which the data were collected.
- 60b Applicant shall monitor and record the \_\_\_\_\_ **(pollutant)** from the \_\_\_\_\_ **(emission source)** on \_\_\_\_\_ **(type of basis)** basis in a manner and with instrumentation acceptable to the Air Quality Division. All \_\_\_\_\_ **(information/data)** shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.
- 60c Applicant shall monitor and record the flow rate and total VOC concentration of the \_\_\_\_\_ **(effluent OR influent)** stream(s) to the \_\_\_\_\_ **(control device)** on a \_\_\_\_\_ **(type of basis)** basis in a manner and with instrumentation acceptable to the Air Quality Division until 10 valid samples are obtained. Thereafter, the influent stream to the control device shall be monitored for these parameters on a \_\_\_\_\_ **(type of basis)** basis. All data, including calculation of VOC emission rates shall be submitted to the District Supervisor in an acceptable format within 30 days following the end of the \_\_\_\_\_ **(time frame i.e. quarter, etc.)** in which the data were collected. Any request for a change in the sampling frequency must be submitted to the District Supervisor, Air Quality Division, for review and approval.
- 61a Applicant shall monitor and record the \_\_\_\_\_ **(pollutant)** emissions from the \_\_\_\_\_ **(emission source)** on a continuous basis in a manner and with instrumentation acceptable to the Air Quality Division. Prior to installation, applicant shall submit a Monitoring Plan to the District Supervisor for review and approval. The Monitoring Plan shall include drawings or specifications showing proposed locations and descriptions of all required monitor(s). The continuous emission monitoring system (CEMS) shall be installed, calibrated, maintained and operated in accordance with the procedures set forth in 40 CFR 60.13 and Performance Specification \_\_\_\_\_ **(PS No.)**, of Appendix B, 40 CFR Part 60. The span value shall be 2.0 times the lowest emission standard or as specified in the federal regulations. No less than 30 days prior to the performance specification testing, a complete test plan must be submitted to the District Supervisor for approval. Applicant shall submit to the District Supervisor within 30 days of completion, 2 copies of the final report demonstrating the CEMS complies with the requirements of PS \_\_\_\_\_ **(No.)**. In accordance with 40 CFR 60.7(c) and (d), an excess emissions report (EER) and Summary report shall be submitted in an acceptable format to the District Supervisor within \_\_\_\_\_ **(no. of days)** days following the end of each calendar \_\_\_\_\_ **(month, day or year)**. The EER shall include each occurrence of all excursions and the magnitudes of the excess emissions of the specified permit limit, the cause of the excess emissions, if known, periods of monitor downtime, any corrective action taken and the total operating time of the source(s). If no exceedances or CEMS downtime occurred during the reporting period, applicant shall report that fact. Applicant shall perform and report the Quality Assurance Procedures of the CEMS set forth in Appendix F of 40 CFR Part 60. Each quarter the results shall be presented and submitted in the format of the data assessment report (DAR) along with the quarterly EER and summary reports. Further, all monitoring data shall be kept on file for a period of at least \_\_\_\_\_ **(no. of years)** years and made available to the District Supervisor upon request.
- 61b Applicant shall monitor and record the visible emissions from the \_\_\_\_\_ **(emission source)** on a continuous basis in a manner and with instrumentation acceptable to the Air Quality Division. Prior to installation, applicant shall submit a Monitoring Plan to the District Supervisor for review and approval. The Monitoring Plan shall include drawings or specifications showing proposed locations and descriptions of the required monitor(s). The continuous opacity monitoring system (COMS) shall be installed, calibrated, maintained and operated in accordance with the procedures set forth in 40 CFR 60.13 and Performance Specification 1 (PS 1) of Appendix B, 40 CFR Part 60. The span value shall be 2.0 times the lowest emission

standard or as specified in the federal regulations. No less than 30 days prior to the performance specification testing of the COMS, a complete test plan must be submitted to the District Supervisor. The final test plan must have approval prior to the testing. Applicant shall submit to the District Supervisor within 30 days of completion, 2 copies of the final report demonstrating the COMS complies with the requirements of PS1. In accordance with 40 CFR 60.7(c) and (d), applicant shall submit a written excess emission report (EER) and summary report in an acceptable format to the District Supervisor within \_\_\_\_\_ **(no. of days)** days of the end of each calendar \_\_\_\_\_ **(day, month, or year)**. The EER shall include the magnitude, in actual percent opacity, of each six minute average of opacity greater than the permit limit and the time period represented by such averages. It shall also include the cause of the excess emission, if known, periods of COMS downtime, any corrective action taken, and total operating time of the source(s). If no exceedances or COMS downtime occurred during the time period, applicant shall report that fact. Applicant shall perform an annual audit of the COMS using the procedures set forth in U.S. EPA publication No. 450/4-92-010, "Performance Audits Procedures for Opacity Monitors", and all amendments thereto. The results of the annual audit shall be submitted to the District Supervisor within 30 days of completion. Further, all monitoring data shall be kept on file for a period of at least \_\_\_\_\_ **(no. of years)** years and made available to the District Supervisor upon request.

- 61c The applicant shall monitor and record the output of the total hydrocarbon (THC) emissions as \_\_\_\_\_ **(compound proposed)** from the \_\_\_\_\_ **(emission source)** on a continuous basis in a manner and with instrumentation acceptable to the Air Quality Division. Prior to installation, the applicant shall submit a monitoring plan to the District Supervisor for review and approval. The continuous emission monitoring system (CEMS) shall be installed, calibrated, maintained and operated in accordance with the procedures set forth in the Performance Specifications for Continuous Emission Monitoring of Hydrocarbons, USEPA Publication No. EPA/530-SW-91-010. The span value shall be 2.0 times the lowest emission standard. No less than 30 days prior to testing, a complete protocol for the CEMS testing shall be submitted to the District Supervisor for approval. Within 30 days of completion of the CEMS performance specification, quarterly or annual testing, the applicant shall submit the final report demonstrating the CEMS complies with the requirements of USEPA Publication No. EPA/530-SW-91-010. In accordance with 40 CFR 60 (c) and (d) an excess emission report and summary report shall be submitted in an acceptable format to the District Supervisor within 30 days of the end of each calendar quarter. Further, all monitoring data shall be kept on file for a period of at least 2 years and made available upon request.
- 62a Monitoring and recording of emissions and operating information is required to comply with the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60, Subparts A and \_\_\_\_\_ **(subpart)**. All source emissions data and operating data shall be submitted to the District Supervisor in an acceptable format within 30 days following the end of the \_\_\_\_\_ **(day, quarter, etc.)** in which the data were collected.
- 62b Monitoring and recording of emissions and operating information is required to comply with the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60, Subparts A and \_\_\_\_\_ **(subpart)**. All source emissions data and operating data shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.
- 63 Within 180 days after commencement of trial operation, applicant shall monitor and record the nitrogen oxides emission rate from the \_\_\_\_\_ **(emission source)** on a continuous basis in a manner and with instrumentation acceptable to the Air Quality Division unless performance tests indicate the nitrogen oxides emissions are less than 70% of the allowable limit.
- 64 Applicant shall conduct an ambient air monitoring program for \_\_\_\_\_ **(pollutant(s))** in a manner and with instrumentation approved by the Air Quality Division. All ambient air monitoring data shall be submitted to the Air Monitoring Unit in an acceptable format within 30 days following the end of the month in which the data were collected.

- 65a \_\_\_\_\_ **(specify what is to be submitted)** shall be submitted to the District Supervisor in an acceptable format within 30 days following the end of the \_\_\_\_\_ **(time period)** in which the data were collected.
- 65b \_\_\_\_\_ **(specify what is to be submitted)** shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.
- 65c A complete copy of the coal analysis, as supplied by the coal vendor, shall be submitted to the District Supervisor immediately upon delivery of a new shipment of coal.
- 66a Applicant shall keep a separate record for each \_\_\_\_\_ **(coating)** of the usage rate of each \_\_\_\_\_ **(coating)** used for the \_\_\_\_\_ **(type of process)**. Further, applicant shall keep a record of the pounds of volatile organic compound (VOC) per gallon of \_\_\_\_\_ **(coating (minus water)/solids applied)**, the density of the VOC portion (minus water) of the \_\_\_\_\_ **(coating)**, and the density of each \_\_\_\_\_ **(reducer/solvent)**. This information shall be submitted to the District Supervisor in an acceptable format within \_\_\_\_\_ **(no. of days)** days following the end of the \_\_\_\_\_ **(time period)** in which the data were collected.
- 66b Applicant shall keep a separate record for each calendar \_\_\_\_\_ **(time period)** of the usage rate of each \_\_\_\_\_ **(coating)** used for the \_\_\_\_\_ **(emission source)**. Further, applicant shall keep a record of the pounds of volatile organic compound (VOC) per gallon of \_\_\_\_\_ **(coating (minus water)/solids applied)** the density of the VOC portion (minus water) of the \_\_\_\_\_ **(coating)**, and the density of each \_\_\_\_\_ **(reducer/solvent)**. This information shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.
- 67a Applicant shall calculate the volatile organic compound (VOC) emission rates from the \_\_\_\_\_ **(emission source)** for each calendar \_\_\_\_\_ **(time period)**, using the method detailed in Appendix \_\_\_\_\_ **(appendix no.)**. This information shall be submitted to the District Supervisor in an acceptable format within \_\_\_\_\_ **(no. of days)** days following the end of the \_\_\_\_\_ **(period of time)** in which the data were collected.
- 67b Applicant shall calculate the volatile organic compound (VOC) emission rates from the \_\_\_\_\_ **(emission source)** for each calendar \_\_\_\_\_ **(period of time)**, using the method detailed in Appendix \_\_\_\_\_ **(appendix no.)**. This information shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.
- 67c The applicant shall not exceed a maximum monthly coating usage rate in the \_\_\_\_\_ **(type of equipment)** which is the equivalent of \_\_\_\_\_ **(no.)** gallons, minus water as applied, with a maximum VOC content of \_\_\_\_\_ **(no. of pounds)** pounds of VOC per gallon, minus water, as applied. The equivalent usage rate shall be calculated using the method detailed in Appendix \_\_\_\_\_ **(appendix no.)**.
- 68 The \_\_\_\_\_ **(VOC content)** of any coating as applied and as received shall be determined using federal Reference Test Method 24. Upon prior approval of the District Supervisor, Air Quality Division, \_\_\_\_\_ **(VOC content)** may alternatively be determined from manufacturer's formulation data.
- 68a The \_\_\_\_\_ **(VOC content)** of any \_\_\_\_\_ **(coating)** as applied and as received shall be determined using federal Reference Test Method \_\_\_\_\_ **(test method no.)**.
- 69 Applicant shall not substitute any coatings, solvents or reducers for those described in this permit application which would result in an appreciable change in the quality or any appreciable increase in

the quantity of the emission of an air contaminant without prior notification to and approval by the Air Quality Division.

70 Applicant shall not operate the \_\_\_\_\_ **(emission source)** unless the \_\_\_\_\_ **(type of control)** \_\_\_\_\_ **(is/are)** installed and operating properly.

70a Applicant shall not fill the \_\_\_\_\_ **(type of storage tank)** storage tank unless the vapor balance system is installed and operating as described below:

- a. The vapor-tight collection line shall be connected to the delivery vessel before any \_\_\_\_\_ **(type of chemical)** is transferred.
- b. The vapor-tight collection line shall close upon disconnection so as to prevent release of \_\_\_\_\_ **(type of vapor)** vapor.
- c. Hatch and other openings on the delivery vessel shall be closed and vapor-tight to prevent emission of displaced \_\_\_\_\_ **(type of vapor)** vapor during transfer operations, except under emergency conditions.
- d. The liquid transfer line shall be equipped with a device, or a procedure shall be implemented, to prevent liquid drainage from the line when it is disconnected and not in use.
- e. Applicant shall develop written procedures for the operation of all the control measures described above, and such procedures shall be available in an accessible location near the transfer equipment.

71 Applicant shall not operate the \_\_\_\_\_ **(type of booth)** booth unless all exhaust filters are in place and operating properly.

72 Applicant shall equip and maintain the \_\_\_\_\_ **(describe equipment)** with \_\_\_\_\_ **(describe what the equipment must have here)**.

73 Applicant shall not operate the \_\_\_\_\_ **(emission source)** unless a gauge which measures the pressure drop across the fabric filter collector and sounds an alarm when the pressure drop exceeds 3.8 inches W.G. is installed and operating properly.

74 Applicant shall not operate the \_\_\_\_\_ **(emission source)** unless a minimum temperature of \_\_\_\_\_ **(temperature)**°F and a minimum retention time of \_\_\_\_\_ **(no. of seconds)** seconds in the \_\_\_\_\_ **(type of oxidizer)** oxidizer is maintained.

75 Applicant shall not operate the \_\_\_\_\_ **(emission source)** unless all provisions of Rule \_\_\_\_\_ **(Rule No.)** are met.

76 Applicant shall not operate the grain dryer unless all of the exhaust gases are passed through column plate perforations with diameters less than or equal to 0.094 inch.

77 Applicant shall not operate the \_\_\_\_\_ **(emission source)** beyond \_\_\_\_\_ **(no. of days)** days after the start-up date unless the Permit to Operate has been issued.

78 The disposal of collected \_\_\_\_\_ **(air contaminants)** shall be performed in a manner which minimizes the introduction of air contaminants to the outer air.

79 Applicant shall not operate the equipment covered by this application unless all of the requirements of 40 CFR 52.21, the federal Prevention of Significant Deterioration rules and regulations, are being

met. This permit is issued pursuant to the determination that the equipment covered by this application can comply with all of the requirements under these rules and regulations.

- 80 The exhaust gases from the \_\_\_\_\_ **(emission source)** shall be discharged unobstructed vertically upwards to the ambient air from a stack with a maximum diameter of \_\_\_\_\_ **(diameter)** inches at an exit point not less than \_\_\_\_\_ **(feet above ground level)** feet above ground level.
- 81 Applicant shall not install the \_\_\_\_\_ **(describe equipment)** until final plans and specifications have been submitted to and approved by the Air Quality Division.
- 82 Applicant shall not operate the \_\_\_\_\_ **(emission source)** for more than \_\_\_\_\_ **(no. of hours)** hours per year. A written log of the hours of operation shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.
- 83 Applicant shall not process more than \_\_\_\_\_ **(no. of tons)** tons of material in the \_\_\_\_\_ **(emission source)** per year. A written record of the amount of material processed shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.
- 84 Applicant shall not operate the \_\_\_\_\_ **(emission source)** unless the \_\_\_\_\_ **(malfunction abatement/fugitive dust control plan(s))** specified in \_\_\_\_\_ **(attachment or appendix no.)** has been implemented and is maintained.
- 85 Input feed to the \_\_\_\_\_ **(describe source)** shall cease immediately, consistent with safe operating procedures, upon initiation of collector bypass. Input feed to the \_\_\_\_\_ **(describe)** shall not restart until the collector is back on line and functioning properly.
- 86 Applicant shall not operate the \_\_\_\_\_ **(emission source)** unless the program for continuous fugitive emissions control for all plant roadways, the plant yard, all material storage piles, and all material handling operations specified in Appendix \_\_\_\_\_ **(appendix no.)** has been implemented and is maintained.
- 87 Applicant shall implement the program for fugitive dust control specified in \_\_\_\_\_ **(appendix/attachment)** during the construction of this facility.
- 89 The equipment described in this permit application shall not be used to manufacture any compound other than \_\_\_\_\_ **(describe compound)** unless a Permit to Install which authorizes the manufacture of such other compound has been approved.
- 90 Applicant shall not \_\_\_\_\_ **(see what 40 CFR 61.141 says)** any asbestos tailings or asbestos containing waste materials, as defined by the National Emission Standards for Hazardous Air Pollutants [40 CFR 61.141] regulations, in the \_\_\_\_\_ **(emission source)**.
- 91 Applicant shall not substitute any fuel for that described in this permit application nor use any recycled asphalt product (RAP) material without prior notification to and approval by the Air Quality Division.
- 92 Applicant shall limit the asphalt mixture to a maximum of \_\_\_\_\_ **(percentage)%** recycled asphalt product (RAP) material.
- 93 Pursuant to 40 CFR 124.15, this Permit to Install shall become effective \_\_\_\_\_ **(effective date)**, unless review is requested under 40 CFR 124.19.

- 94 This Permit to Install shall become effective only upon written authorization by the Chief of the Air Quality Division. Consistent with 40 CFR 124.15, such authorization shall not occur prior to \_\_\_\_\_(date). After \_\_\_\_\_(date)the Division Chief may issue such authorization only if review of this Permit to Install is not requested pursuant to 40 CFR 124.19.
- 95 This permit is terminated on and after \_\_\_\_\_(date), unless all of the sources at the \_\_\_\_\_(applicant's facility) identified in the \_\_\_\_\_(date) letter from the Air Quality Division to \_\_\_\_\_(whom letter sent to), are in compliance with all applicable local, state, and federal air quality regulations, or are in compliance with a consent order or other legally enforceable agreement specifying a schedule and timetable for compliance.
- 96 Applicant shall not relocate the portable \_\_\_\_\_(plant/crusher/equipment) to any new geographical site in Michigan unless all the following criteria are met:
- The plant shall not have any outstanding unresolved violations of any of the Michigan Department of Environmental Quality Air Pollution Control rules, order, or permits; or Federal air quality regulations.
  - The installation of the plant at the geographical site shall be of a temporary nature lasting not more than 12 consecutive months.
  - A notice of intent to relocate along with a proposed site plan shall be provided to the district office not less than 21 days prior to the scheduled relocation identifying the proposed new geographical site and the probable duration at the new site. All residential or commercial establishments and places of public assembly within 1,000 feet of the proposed plant's site shall be clearly identified on the proposed site plan.
  - The asphalt production plant shall not be located within 800 feet to a residential or commercial establishment or a place of public assembly unless prior written site approval is obtained from the Air Quality Division district office.
  - The \_\_\_\_\_(plant/crusher/equipment) shall not be located within 500 feet to a residential or commercial establishment or a place of public assembly unless prior written site approval is obtained from the Air Quality Division district office.
  - A copy of this approved permit and permit conditions shall be clearly posted in the operator's office or work station and the permit number shall be posted on the equipment where it is clearly visible from the operator's office or work station.
  - The Department's Delegation of Authority does not authorize us to approve any site where there is a known unresolved objection. Therefore, requests for site approval where there are known unresolved objections will continue to be handled by the Office of the Director of the Michigan Department of Environmental Quality.
- 97 In the event that the \_\_\_\_\_(portable plant/crusher/etc.) is removed from this location, this equipment may be returned, installed, and operated at this location pursuant to this Permit to Install, provided that all of the following conditions are met:
- There are no outstanding and unresolved compliance issues, resulting from written notification by the Air Quality Division, involving either this equipment or this location.
  - Applicant provides written notification to the District Supervisor, prior to the removal of this equipment, stating an intent to return and operate this equipment within 12 months of its removal from this location.

- c. Applicant provides written notification to the District Supervisor, at least one week prior to the return of this equipment, that the equipment is scheduled to return to this location.
  - d. This equipment is returned to this location within 12 months of its removal.
  - e. Notwithstanding the provisions of this condition, the Air Quality Division may void this permit during the time that this equipment is removed from this location if it has reason to believe that, if returned, this equipment is not likely to operate in compliance with all applicable rules and permit conditions. If this action is taken, applicant shall be notified, in writing, of the reasons therefore. The voiding of this permit shall be without prejudice to applicant's right to file a new Permit to Install application.
- 99 After a determination by and written notification from the Chief, Air Quality Division, that emissions from the applicant's \_\_\_\_\_ **(describe source)** are causing an unreasonable interference with the common public right to live free from foul or noxious odors, the applicant shall immediately cease the \_\_\_\_\_ **(operation)** until the cause of the odors can be corrected to the satisfaction of the Chief, Air Quality Division. The notification shall include the reasons for this determination and a date and time for a special meeting to occur, not more than seven days from the date of the notice. The applicant shall not restart the \_\_\_\_\_ **(operation)** until the Chief, Air Quality Division, has approved the restart in writing. Information submitted by the applicant indicating the odors have been eliminated shall be evaluated by the Air Quality Division as expeditiously as possible. The order of the Chief, Air Quality Division, shall not continue in effect beyond a scheduled special meeting unless the applicant agrees to a different period in writing. The applicant may request the Office of the Director, Department of Environmental Quality, to schedule a special meeting consistent with the Open Meetings Act (1976, P.A. 267) to consider this cessation order. At that meeting, the Office of the Director, Department of Environmental Quality, may continue, modify or rescind the cessation order.
- 101 Applicant shall not burn any waste in the incinerator other than the following:
- 101a Type O -- Trash, a mixture of highly combustible waste such as paper, cardboard cartons, wood boxes, and combustible floor sweepings, from commercial and industrial activities. The mixture may contain up to 10% by weight of plastic bags, coated paper, laminated paper, treated corrugated cardboard, oily rags and plastic or rubber scraps.
  - 101b Type 1 -- Rubbish, a mixture of combustible waste such as paper, cardboard cartons, wood scrap, foliage and combustible floor sweepings, from domestic, commercial and industrial activities. The mixture may contain up to 20% by weight of restaurant or cafeteria waste, but contains little or no treated papers, plastic or rubber wastes.
  - 101c Type 2 -- Rubbish, a mixture of combustible waste such as paper, cardboard cartons, wood scrap, foliage and combustible floor sweepings; and garbage, consisting of animal and vegetable wastes from restaurants, cafeterias, hotels, hospitals, markets and like installations.
  - 101d Type 3 -- Garbage, consisting of animal and vegetable wastes from restaurants, cafeterias, hotels, hospitals, markets and like installations.
  - 101e Type 4 -- Human and animal remains, consisting of carcasses, organs and solid organic wastes from hospitals, laboratories, abattoirs, animal pounds, and similar sources.
  - 101f Type 6 -- Solid by-product waste, such as rubber, plastics, wood waste, etc., from industrial operations.
- 102 Applicant shall not operate the incinerator unless it is equipped with \_\_\_\_\_ **(102a, 102b, or 102c).**



- 102a a limit switch to set and reset the timer for the afterburner each time the charge door is opened.
- 102b a thermocouple control system for the afterburner.
- 102c a manual timer switch, with operating instructions, to insure use of the afterburner whenever the incinerator is operated. If it is determined, by the District Supervisor, that such manual timer switch is not being utilized correctly, an automatic afterburner switch shall be required.
- 103 Proper operation and adequate maintenance of the incinerator to control emissions is required. A list of recommended operating and maintenance procedures is enclosed.
- 111 Sulfur dioxide emissions from the \_\_\_\_\_ **(emission source)** (hereinafter "equipment") shall not exceed \_\_\_\_\_ **(pounds per hour)** pounds per hour, based on a 24-hour average. This is equivalent to a mass flow rate of hydrogen sulfide to the \_\_\_\_\_ **(emission source)** of \_\_\_\_\_ **(pounds)** pounds per hour, based on a 24-hour average.
- 112 Applicant shall conduct a continuous in-shed monitoring program for hydrogen sulfide meeting the requirements of Rule 403(5). All inflow streams to the equipment shall be shut off if the concentration of hydrogen sulfide in the building is greater than 100 parts per million, by volume. Operation of the equipment may be resumed only after successful corrective measures have been applied.
- 113 Applicant shall monitor, on an intermittent basis, the mass flow rate of hydrogen sulfide \_\_\_\_\_ **(from the well/to the sweetening plant/etc.)**. The monitoring data shall be submitted to the District Supervisor in an acceptable format within 30 days following the end of the month in which the data were collected.
- 114 Applicant shall operate a continuously burning pilot flame at the \_\_\_\_\_ **(flare/incinerator)**. In the event that the flame is extinguished, shut-in of all wells feeding the equipment shall commence automatically within one second. Operation of the equipment shall not be restarted unless the pilot flame is re-ignited and maintained. Pilot fuel shall be only sweet natural gas.
- 115 Applicant shall not operate the equipment unless all emergency relief valves, all storage tanks, and all dehydrators are vented to a flare, an incinerator or a vapor recovery system.
- 116 Applicant shall not use the equipment to process wells other than those specified in this permit application without prior notification to the Air Quality Division.
- 117 Applicant shall not operate the equipment unless a vapor return system is employed in the load out of all brine and condensate storage tanks.
- 118 Applicant shall install and maintain fencing, warning signs, and/or other measures as necessary to prevent unauthorized individuals from entering the plant property and buildings.
- 214 Except where specific requirements of these supplemental conditions are applicable and more stringent, the anhydrous ammonia storage and handling facilities shall conform to the American National Standard, Safety Requirements for the Storage and Handling of Anhydrous Ammonia, ANSI K61.1-1972 (except for paragraph 2.5.4). A copy of this standard shall be maintained for inspection at the facility.
- 216 Applicant shall not operate the facility unless an inspection and maintenance program, as approved by the District Supervisor, is in use.
- 217 All containers shall be fitted with safety relief valves as required by the ANSI standard. Such valves shall be stamped with the date manufactured, and shall be replaced, or re-tested and re-certified, at

- least every five years or more often if there is evidence of damage or deterioration. Safety relief valves on the stationary storage container shall be installed in a manifold meeting ANSI requirements.
- 218 Applicant shall not operate the facility unless a remotely operated internal or external positive shut-off valve is installed to allow access for emergency shut-off of all flow from stationary storage containers.
- 219 Applicant shall not operate the facility unless a bulkhead, anchorage, or equivalent system is used at each transfer area so that any break resulting from a pull will occur at a predictable location while retaining intact the valves and piping on the plant side of the transfer area.
- 220 Applicant shall not operate the facility unless liquid lines in rail and transport transfer areas are equipped with back pressure check valves and all liquid lines not requiring a back check valve and all vapor lines are equipped with properly sized excess flow valves. These valves shall be installed on the main container side of the predictable break point at the bulkhead.
- 221 Hose used for transferring liquid and/or vapor to and from nurse tanks shall not exceed 25 feet in length.
- 222 All hose shall be replaced five years after date of manufacture or more often if there is evidence of damage or deterioration.
- 223 Applicant shall not operate the facility unless all transfer operations including transport deliveries are performed by a reliable person properly trained and made responsible for proper compliance with all applicable procedures. At least one more person trained in the proper use of equipment and emergency procedures shall be present at the facility during all transfers.
- 224 Nurse tank filling shall be done only from a permanent stationary storage tank.
- 225 No container, including nurse and applicator tanks, shall be filled to more than 85% water capacity.
- 226 Any vapor or liquid line, exclusive of couplings, requiring venting after ammonia transfer shall be vented through a water trap of 55 gallons minimum size. Safety water shall not be used for this purpose.
- 227 Nurse and applicator tank storage shall not be less than 50 feet from the property line, not less than 150 feet from any existing places of residence or private or public assembly, not less than 250 feet from a school, apartment building, or institutional occupancy, and not less than 1,000 feet from any hospital or nursing home.
- 228 The applicant shall develop an emergency response plan to be followed in the event of an emergency. This plan shall be submitted in writing to, and approved by, the District Supervisor before any operation of the facility. Applicant shall not operate the ammonia storage facility unless this approved plan has been implemented and is maintained and followed. Prior to each spring season, the applicant shall review this plan with the local fire department.
- 229 Applicant shall notify the Pollution Emergency Alert System (PEAS) 1-800-292-4706 and/or the District Supervisor immediately of any abnormal release of anhydrous ammonia from the facility. A normal release includes only hose coupling bleed down and operation of hydrostatic relief valves.
- 230 A sign shall be present and conspicuously placed at the facility entrance stating the emergency phone numbers for the owner, primary operator, local and state police, local fire department, and ambulance service.

**ATTACHMENT 3**

<b>SPECIAL CONDITION #</b>	<b>UNDERLYING APPLICABLE REQUIREMENTS</b>	<b>COMMENTS</b>
20	Rule 201(3)	Permits to Install
	Rule 220(1)(a)(i), Rule 220(1)(a)(ii)	LAER BACT-PSD
	Rule 230(1)(a), (1)(b), (3)	Air Toxics from New and Modified Sources
	Rule 602 (1),	Existing Sources of VOC Emissions
	Rule 602 (2) (3)	Equivalent/alternate emission rates
	Rule 220 (6)(a)	BACT,VOC,TSP,BTF Best Technically Feasible
	Rule 702(1)	New sources of VOC emissions
	Rule 901	Limit due to odor concerns
21	Same as Special Condition 20	
	Rule 619(7)	ppm(vol) perc
22	Rule 201(3)	Permits to install
	Rule 220	Construction of Major Offset Source
	Rule 230	Air Toxics from New and Modified Sources
	Rule 602	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
	Rule 901	Limit due to odor concerns
22a	Rule 610(3)	Fletcher Paper Co TPY
	Rule 602 (1),(2)(3)	Existing Sources of VOC Emissions
	Rule 610(1) (2)	Emissions of VOC existing auto, truck & other coating lines
	Rule 621 (1)	Emissions of VOC from existing metallic surface coating lines
	Rule 632 (2), (3), (4)	Emissions of VOC from existing... plastic part coating lines
	Rule 702	New sources of VOC emissions
	Rule 901	
23	Rule 401(1)	Emissions of SO <sub>2</sub> from power plants; see NSPS List
	Rule 402(1)	Emissions of SO <sub>2</sub> from other fuel burning sources; see NSPS List
24	NSPS 40 CFR 60.44	See NSPS List
	NSPS 40 CFR 60.44a	See NSPS List
	NSPS 40 CFR 60.44b	See NSPS List
	NSPS 40 CFR 60.55a	See NSPS List
	NSPS 40 CFR 60.332	See NSPS List
25	Rule 602(1)	Existing Sources of VOC Emissions
	Rule 610(1),(2)	Emissions of VOC... existing coating lines
	Rule 620	#Voc/1000 ft <sup>2</sup> coated finished prod.

SPECIAL CONDITION #	UNDERLYING APPLICABLE REQUIREMENTS	COMMENTS
	Rule 624(1), (3)	...Unless equivalent emission rate is achieved
	Rule 624(2)(a)(i)(ii)	#VOC per pound solids as applied (table 64)
	Rule 631(2)	VOC emission material recovery equipment used in mfg of polystyrene resin
	Rule 631(3) b	VOC emission 0.5#/1000# resin prod. from reactors/tanks
	Rule 631(4)	Monsanto Limits
	Rule 621, 632, 610, NSPS regs	Emissions of VOC from existing metallic surface coating lines, plastic parts, auto, truck
	Rule 702	New sources of VOC emissions
26	Rule 602	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
	Rule 901	
27	Rule 602	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
	Rule 610(1),(2)	Emissions of VOC from existing auto, truck coating lines
	Rule 621(1)	Emissions of VOC from existing metallic surface coating lines
	Rule 632	Emissions of VOC from existing...plastic part coating lines
	NSPS 40 CFR 60 Subparts A and etc.	
30a, b, c	Rule 331(1)	Emissions of particulate matter. For a limit of .1lb/1000 lb exhaust gas, cite Rule 331(1)(a), Table 31(J) unless the process is specifically listed elsewhere in the table.
	Rule 230	Emissions of toxic particulate matter
	Rule 901	Emissions of toxic particulate matter
31	Rule 331(1)(e)	See Note for 30a,b,c
32	NSPS 40 CFR 60 Subparts A (and etc.)	See NSPS list
33	40 CFR 61 Subparts A (and etc.)	NESHAPS
34	40 CFR 61 Subpart MA	NESHAPS
40	Rule 301(1) (a)	Standards for density of emissions
41	NSPS 40 CFR 60 Subparts A and etc.	See NSPS list
41a	NSPS 40 CFR 60 Subparts A and etc.	See NSPS list
42	Rule 301 (1) (b or c) or (4), Rule 331	Low visible emission limits are often used as a surrogate for a mass particulate limit
43	Rule 301 (1) (c)	Low visible emission limits are often used as a surrogate for a mass particulate limit
	Rule 201(3)	Permit to Install
44	NSPS 40 CFR 60 Subparts A and I	
45	40 CFR 52.21 J	PSD-BACT
50a	Rule 1001	Performance tests by owner

SPECIAL CONDITION #	UNDERLYING APPLICABLE REQUIREMENTS	COMMENTS
	Rule 1003	Performance tests criteria
	Rule 1004	Appendix A reference test methods
	Rule 602	
50b	Rule 1001	Performance tests by owner
	Rule 1003	Performance tests criteria
	Rule 1004	Appendix A reference test methods
	Rule 602	
51	Rule 1001	Performance tests by owner
	Rule 1003	Performance tests criteria
	Rule 1004	Appendix A reference test methods
	Rule 602	
52	NSPS 40 CFR 60.8, (a)	Performance Tests
	NSPS 40 CFR 60.7 (a),(3)	Notification/Recordkeeping
	NSPS 40 CFR 60 Appendix A	
	NSPS 40 CFR 60.8 (d)	
52a	NSPS 40 CFR 60.8 A & 000	
	NSPS 40 CFR 60.8 (b)	
	NSPS 40 CFR 60.11	
53	NSPS 40 CFR 60.493	TE verification
	Rule 602	
54	NSPS 40 CFR 60.493	TE verification
	Rule 602	
55A	NSPS 40 CFR 60.7 (3)	Look at coating NSPS, EE, etc.
60a	Rule 201(3)	Permits to Install
	Rule 1170(1)	Submit reports
	Rule 1170(2)	Keep reports for 2 years.
60b	Rule 201(3)	Permits to Install
	Rule 1170(1)	Submit reports
	Rule 1170(2)	Keep reports for 2 years.
60c	Rule 201(3)	Permits to Install
	Rule 602	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
	Rule 1004 (c) (e) (f)	Appendix A reference test methods
61a,b,c	Rule 301	Standards for density of emissions
	Rule 1150 (1) (a)	Performance specifications for CEMS
	Rule 1170 (1)(a)(i), (2)	Monitoring data reporting and recordkeeping
	Rule 1101(1) (a)	Continuous emission monitoring fossil fuel fired steam generators
	Rule 1103	Continuous emission monitoring fluid bed cracking unit catalyst regenerators at petroleum refineries
	Rule 1152(1)	CEMS System
	Rule 602	
62a	NSPS 40 CFR 60.7	Notification & record keeping
	NSPS 40 CFR 60 A & etc.	

SPECIAL CONDITION #	UNDERLYING APPLICABLE REQUIREMENTS	COMMENTS
	NSPS 40 CFR 60.7 (e)	
62b	NSPS 40 CFR 60.7	
	NSPS 40 CFR 60.7 (e)	
	NSPS 40 CFR 60.13	Monitoring
63	NSPS 40 CFR 60.44	
	Rule 1101 (c), Rule 1150 (1)(b)	Continuous emission monitoring fossil fuel fired steam generators
	Rule 1151(1) & (3)(b)	Calibration gases for CEMS
	Rule 1152(2)	Cycling time for CEMS
	Rule 1170	Monitoring data reporting and recordkeeping
64	Rule 201(3)	Permits to Install
65a	Rule 201(3)	Delete
65b	Rule 201(3)	Delete
65c	Rule 201(3)	Permits to Install
66a	Rule 201(3)	Permits to Install
	Rule 602	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
	Rule 610,620, 621,624, 632,	
66b	Rule 201(3)	Permits to Install
	Rule 602, 610, 620, 621, 624, 632	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
67a	Rule 201(3)	Permits to Install
	Rule 602, 610, 620, 621, 624, 632,	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
67b	Rule 201(3)	Permits to Install
	Rule 602, 610, 620, 621, 624, 632	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
67c	Rule 201(3)	Permits to Install
	Rule 602, 620, 621, 632,	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
68	Rule 201(3)	Permits to Install
	Rule 1004	Appendix A reference test methods
	Rules 602, 610, 620, 621, 624, 632,	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
	Rule 632	Emissions of VOC from... plastic part coating lines
68a	Rule 201(3)	Permits to Install
	Rule 1004	Appendix A reference test methods
	Rules 602, 610, 620, 621, 624, 632	Existing Sources of VOC Emissions
	Rule 702	New sources of VOC emissions
69		Delete
70	Rules 910, 611, 612, 613, 614, 622, 623, 625 (9)(10) (11),628, 629, 630, 631, 707, 708, 709, 710, 403	Air-cleaning devices. State equivalent control also
	Rule 901	

SPECIAL CONDITION #	UNDERLYING APPLICABLE REQUIREMENTS	COMMENTS
70a	Rules 606(3), 607(3), 608(3), 609(2)	Gasoline - existing
	Rules 703(2), 704(2), 705(2), 706(2)	Gasoline - new
a	Rules 606(4)(a), 607(4)(a), 608(4)(a), 609(3)(a)	Gasoline - existing
	Rules 703(3)(a), 704(3)(a), 705(3)(a), 706(3)(a)	Gasoline - new
b	Rules 606(4)(b), 607(4)(b), 608(4)(b), 609(3)(b)	Gasoline - existing
	Rules 703(3)(b), 704(3)(b), 705(3)(b), 706(3)(b)	Gasoline - new
c	Rules 608(4)(d)&(e), 609(3)(d)&(e)	Gasoline - existing
	Rules 705(3)(d)&(e), 706(3)(d)&(e)	Gasoline - new
d	Rules 608(4)(c), 609(3)(c)	Gasoline - existing
	Rules 705(3)(c), 706(3)(c)	Gasoline - new
e	Rules 607(6), 608(6), 609(4)	Gasoline - existing
	Rules 704(5), 705(5), 706(4)	Gasoline - new
	Rule 403(4)	BACT-gas sweetening facility
70a(a-e)	Rule 901	
71	Rule 910	Air-cleaning devices
	Rule 901	
72	Rules 910, 611, 612, 613, 614, 622, 623, 625 (9) (10) (11), 628, 629, 630, 631, 707, 708, 709, 710, 403	Air-cleaning devices, state equivalent control
73	Rules 910, 301, 331, 901	Air-cleaning devices
74	Rule 230(1)(a)	T-BACT
	Rule 702	New sources of VOCs
	Rule 910	Air-cleaning devices
	Rule 901	
75	Rule 201(3)	Permit to Install
76	Rule 910	Air-cleaning devices
77	No longer applicable	Delete
78	General condition	Delete
79	40 CFR 52.21	PSD
80	Rule 230 or 901	
81	NA	Do not place in ROP
82	Rule 201(3)	Permits to install; approval
	Rule 230(1)(b) and (10)	For intermittent toxic emissions
	Rule 901	
83	Rule 201(3)	Permits to install; approval
	Rule 901	
84	Rule 911	Malfunction abatement plans
	Rule 901	
85	Rule 910	Air-cleaning devices
86	Rule 371, 372(2,3,4,5,6)	Fugitive dust control programs - Attainment
	Rule 373, Act 451, 5524 & 5525	Fugitive dust control programs - Nonattainment
	Rule 901	
87	Not Applicable	Delete

SPECIAL CONDITION #	UNDERLYING APPLICABLE REQUIREMENTS	COMMENTS
	Rule 373, Act 451, 5524 & 5525	Fugitive dust control programs- Nonattainment
89	No longer Applicable	Delete
90	40 CFR 61.143	NESHAP
91	Rule 201(1)	Permits to install
	Rule 901	
92	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 201(3)	Permits to Install
93	40 CFR 124.15; 40 CFR 124.19	PSD - Decision making procedures
94	40 CFR 124.15; 40 CFR 124.19	PSD-Decision making procedures
95	Rule 220, Rule 201(3)	Construction of major offset sources/modifications within nonattainment areas
96a	Act 451 324.5505 (5); Rule 201	Installation, etc. of process or process equipment-Relocation...
96b	Rule 120(a)	Definition; temporary source
96c	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 201(3)	Permits to Install
96d	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 201(3)	Permits to Install
96e	Rule 901	Air contaminant or water vapor, when prohibited
	Rule 201(3)	Permits to Install
	Act 451 324.5503(b)	Powers of department
	Act 451 324.5511(3)	Major sources or major mods
96f	Rule 201(3)	Permits to Install
	Act 451 324.5503(b)	Powers of department
96g	Act 451 324.5503(b)	Powers of department
97a	Act 451 324.5511(3)	Major sources or major mods
	Act 451 324.5503(b)	Powers of department
	Rule 201(3)	Permits to Install
97b	Rule 120(a)	Definition; temporary source
97c	Rule 201(3)	Permits to Install
97d	Rule 120(a)	Definition; temporary source
97e	Rule 201(7)	Permits to Install
99	Rule 901	No longer valid condition
101	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 201(3)	Permits to Install
101a-f	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 201(3)	Permits to Install
102	Rule 901	Air cleaning devices
	Rule 910	Air contaminants or water vapor, when prohibited
	Rule 203(1)(c)	Information required



SPECIAL CONDITION #	UNDERLYING APPLICABLE REQUIREMENTS	COMMENTS
	Rule 331(1)(a) & (b)	Emissions of particulate matter
	Rule 201(3)	Permits to Install
103	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 910	Air cleaning devices
	Rule 331(1)(a) & (b)	Emissions of particulate matter
	Rule 201(3)	Permits to Install
111	Rule 403(1)	Oil- and natural gas-producing or transporting facilities and natural gas-processing facilities
	Rule 403(4)	
	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 201(3)	Permits to Install
	Act 451 324.5503 (b), 5505(5)	Powers of department/temporary sources
112	Rule 403(5)(a)	Oil- and natural gas-producing or transporting facilities and natural gas-processing facilities
113	Rule 403(5)(a)	Oil- and natural gas-producing or transporting facilities and natural gas-processing facilities
114	Rule 403(1)	Oil- and natural gas-producing or transporting facilities and natural gas-processing facilities
	Rule 403(2)	Oil- and natural gas-producing or transporting facilities and natural gas-processing facilities
115	Rule 403(2)	Oil- and natural gas-producing or transporting facilities and natural gas-processing facilities
	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 403(5)(c)	
116	Rule 203	Information required
	Rule 201(3)	
117	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 201(3)	Permits to Install
118	Rule 403(5)(b)	Oil- and natural gas-producing or transporting facilities and natural gas-processing facilities
214-230	Rule 901	Air contaminants or water vapor, when prohibited
	Rule 201(3)	Permits to Install