Permits by Rule Relevant to Automotive Recyclers and Automotive Salvage Yards

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Air Permitting Options

• Permit by Rule
• Other Permitting Options
  – Standard Permit
  – Flexible Permit
  – NSR Construction Permit
Overview of Permit by Rule

• Set of canned Requirements for facilities which meet some general requirements
  – Meet or Do not Meet
• Historically called Standard Exemption.
  – Change from Standard Exemptions to Permit by Rule in?
    • Why name change?
Where are Permits by Rule rules located?

• Title 30 Texas Administrative Code Chapter 106 (30 TAC 106)

• 30 TAC 106 is available at
  – http://www.tnrcc.state.tx.us/permitting/airperm/nsr_permits/seindex.htm
Why consider a Permit by Rule

- Review time frame
- Cost
- Public Hearing
- When site review is not required, facility can commence construction after submitting PI-7 and supporting material to TCEQ
  - However, company still has to demonstrate compliance with the requirements if requested.
Arguments Against the use of Permit by Rule

- Requirements are non-negotiable
- Not site-specific – One size fits all
Auto Recycling and Salvage Yard Process Overview

- Automobiles are dismantled for parts
- Parts are cleaned with solvents
- Automobile reconditioning
  - Painting
  - Part replacement
  - Welding
  - Use of hand held equipment
Concerns from Permit by Rule Perspective

- Refrigerants from Air Conditioning system
- Cleaning solvents
- Coatings
When is registration not required

Deminimis

- You would be considered De Minimis and not required to register if
  - Use no more than 50 gallons per year of cleaning and stripping solvents
  - Use no more than 100 gallons per year of coating materials
    - Coatings used for planting are excluded
- Deminimis rules are available at 30 TAC 116.119

- OTHERWISE
When is registration required

You are not Deminimis and…….

• You would be required to register
Relevant Permits by Rule

- 30 TAC 106.4 – General Requirements
- 30 TAC 106.436 – Auto body Refinishing
- 30 TAC 106.227 – Welding
  - Only welding equipment > 0.6 tpy of Pb are non-exempt
- 30 TAC 106.265 – Hand held equipment
  - Hand held or manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, sanding, sawing, surface grinding of auto body parts
What do you need to Claim a Permit by Rule

- Construction date of facility
- Fee
  - $100 for small business
  - $450 for others
- Core data form
  - Information about your company and facility being registered
What do you need to claim a Permit by Rule Cont'd

- Form PI-7 and/or Form PI-7-124
  - Scaled map showing facility, facility boundaries, and nearest receptor outside the facility boundaries.

- Process Description
  - Required level of detail – TCEQ can independently validate the emissions sources from your process
  - Emissions Calculations
  - Show MSDS sheets, usage rates of coating materials etc
    - To enable TCEQ independently validate estimated emissions
What do you need to claim a Permit by Rule Contd

• Demonstrate compliance with Permit by Rule
• TAC 106.4 and ---- etc
  – To demonstrate compliance
    • Checklists
      – The use of checklist is optional
      – Where can we find the TCEQ Checklists?
        – http://tnrcc.state.tx.us/permitting/airperm/nsr_permits/seform.htm
    • Alternatives to Checklist
      – Show how you meet each requirement of affected PBR your own words
Permit by Rule 106.4 – General Requirements

• These requirements must be met before you can claim any Permit by Rule
  – NOx – 250 tpy
  – CO – 205 tpy
  – VOCs – 25 tpy
  – SO₂ – 25 tpy
  – PM – 25 tpy
Permit by Rule 106.4 – General Requirements Contd.

- Any other air contaminant – 25 tpy
- Excluded – CO₂, H₂O, N, CH₄, C₂H₆, H₂, and O₂
- You do not have a condition in an existing permit which forbids you from using a Permit by Rule
- You must also meet all requirements of the local program area where your facility is located
  - Harris County Pollution Control Department
  - City of Houston Bureau of Air Quality Control
Permit by Rule 106.436 – Auto Body Refinishing Facility

• Existing checklists are designed to aid the applicant establish if they meet the requirement of the Permit by rule

• Who can use this PBR – 106.436
  – Facilities which do auto body repair and refinishing of motorcycles, passenger cars, vans, light trucks, and heavy trucks
Permit by Rule 106.436 – Auto Body Refinishing Facility

• Usage rate of materials
  – Hourly
  – Weekly

• Good housekeeping

• No visible emissions
Permit by Rule 106.436 – Auto Body Refinishing Facility  Continued

• Size of materials to be coated
  – Greater than 9 square feet
    • Enclosed paint booth with filter
    • Totally enclosed area
      – Have a filter with an air intake area of no more than 100 feet
      – Have a fan with a flow capacity of 1000 cfm or a face velocity of 100 fpm based on manufacturer’s information
Permit by Rule 106.436 – Auto Body Refinishing Facility Continued

• Less than 9 square feet
  – In addition to using an enclosed booth, totally enclosed are, company may also use
  – A dedicated preparation area which meets the following
    • Ventilation system equipped with a filter
    • Exhaust air vented through a stack or re-circulated into the shop after it is passed through a CAS
      – CAS replaced at manufacturer’s recommended intervals
Permit by Rule 106.436 – Auto Body Refinishing Facility Continued

• Filter should remove at least 90% of particulate matter in air before exiting paint booth, preparation area, etc.

• Paint guns should have high transfer efficiency –
  High volume Low pressure spray guns should be used

• Procedures taken to minimize emissions from equipment clean up
Permit by Rule 106.436 – Auto Body Refinishing Facility Continued

• Heaters
  – Electric heaters preferred
  – Non electric heaters should be fired by clean gas – pipeline quality natural gas, LPG
  – Heater capacity 5MMBtu/her or smaller
Permit by Rule 106.436 – Auto Body Refinishing Facility Continued

• Stack height
  – Describe in relation to distance and height of nearest building

• Distance to the nearest offsite receptor
  – 50 feet from nearest offsite receptor

• Any obstruction to vertical discharge of air contaminant from stack?
  – Rain caps
  – Goose neck exhaust
  – Any other stack head that would restrict or obstruct the vertical discharge of air contaminant are not allowed
Permit by Rule 106.436 – Auto Body Refinishing Facility Continued

• Monthly usage rate limits of solvents
  – Cleanup solvents – 50 gallons per month
  – Wipe solvents – 50 gpm
  – Precoat – 50 gpm
  – Pretreatment – 50 gpm
Permit by Rule 106.436 – Auto Body Refinishing Facility Continued

Monthly usage rates continued

- Sealers – 50 gpm
- Primers / primer surfacer – 175 gpm
- Top coat – 320 gpm
- Specialty coating – 50 gpm
Permit by Rule 106.436 – Auto Body Refinishing Facility Continued

• Record keeping requirements
  – MSDS for a 24 hour period
  – Monthly coatings and solvents purchases
  – Monthly coatings and solvent usage
  – All permitting actions with the EPA, Local program area and TCEQ

• Nuisance
When can you claim a historical permit by Rule

• Have documents to prove a construction date before the effective date of historical Permit by Rule
  – Tax Records
  – Insurance Records
  – Dated Plat diagram
  – Affidavits by persons who have personal knowledge of construction date of facility
  – TCEQ would evaluate other documentation on a case by case basis
Where can you get historical PBR from?

• [http://home.tnrcc.state.tx.us/permitting/airperm/nsrc_permits/old106list/index106.htm](http://home.tnrcc.state.tx.us/permitting/airperm/nsrc_permits/old106list/index106.htm)
Available Resources

• TCEQ Air Permit Division Website
  – PRB rules
    • [http://www.tnrcc.state.tx.us/permitting/airperm/nsr_permits/seindex.htm](http://www.tnrcc.state.tx.us/permitting/airperm/nsr_permits/seindex.htm)
  – Forms and checklists
    • [http://www.tnrcc.state.tx.us/permitting/airperm/nsr_permits/seform.htm](http://www.tnrcc.state.tx.us/permitting/airperm/nsr_permits/seform.htm)
Available Resources Continued

- **TCEQ GSR Reviewer**
  - Phone duty lines is 512/239-1250

- **TCEQ Small Business in Houston**
  - Mr. Clarence Gray – Tel. 713/161-3582
  - Ms. Cynthia Williams – Tel. 713/767-3549
Questions?
Thank You.