



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

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100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
(317) 232-8603  
(800) 451-6027  
www.IN.gov/idem

Paul Goyette  
G & S Metal Consultants, Inc.  
50 Dimension Avenue  
Wabash, IN 46992

July 25, 2007

Re: Interim Significant Permit Revision Petition  
No. 169-248971-00059

Dear Mr. Goyette:

On July 6, 2007, the Office of Air Quality (OAQ), received an interim significant permit revision petition from G & S Metal Consultants, Inc. located at 50 Dimension Avenue, Wabash, IN 46992. Based on the data and supplemental information submitted in the interim petition and the provisions of 326 IAC 2-13-1, this interim petition to construct is hereby approved for the following:

- (a) One (1) natural gas-fired reverberatory furnace, identified as EU-4, to be constructed in 2007, equipped with a baghouse and exhausting to Stack S-4, rated at 12.4 million British thermal units per hour, capacity: 2.0 tons of clean aluminum or white dross per hour and 3.15 pounds of chlorine per hour. The aluminum is poured into cast iron molds or transferred to the holding furnaces.
- (b) One (1) natural gas-fired reverberatory furnace, identified as EU-5, to be constructed in 2007, equipped with a baghouse and exhausting to Stack S-4, rated at 15.0 million British thermal units per hour, capacity: 2.0 tons of clean aluminum or white dross per hour and 3.15 pounds of chlorine per hour. The aluminum is poured into cast iron molds or transferred to the holding furnaces.
- (c) One (1) natural gas-fired holding furnace, identified as HF-2, to be constructed, exhausting to Stack S-6, rated at 2.8 million British thermal units per hour, capacity: 11.01 tons of molten aluminum per hour. The aluminum is poured into cast iron molds.
- (d) One (1) natural gas-fired holding furnace, identified as HF-3, to be constructed, exhausting to Stack S-7, rated at 2.8 million British thermal units per hour, capacity: 11.01 tons of molten aluminum per hour. The aluminum is poured into cast iron molds.
- (e) One (1) natural gas-fired holding furnace, identified as HF-4, to be constructed, exhausting to Stack S-8, rated at 2.8 million British thermal units per hour, capacity: 11.01 tons of molten aluminum per hour. The aluminum is poured into cast iron molds.

The public notice of the interim significant permit revision petition was published on July 3, 2007, in Wabash Plain Dealer, Wabash, Indiana. The public comment period ended on July 17, 2007. There were no comments received during the public comment period.

The interim significant permit revision petition may be revoked after this effective date upon a written finding by the Indiana Department of Environmental Management (IDEM) that any of the reasons

for denial in 326 IAC 2-13-1(h) exist or if the final significant permit revision is denied. The IDEM has reviewed this interim significant permit revision petition and has not found any such reason.

The interim significant permit revision petition is federally enforceable. Pursuant to 326 IAC 2-13-1(j)(1), this interim significant permit revision petition expires on the effective date of the final Significant Permit Revision No. 169-24897-00059. Detailed conditions will be specified in the final significant permit revision. The facilities subject to this approval may not operate until a final significant permit revision is issued by OAQ.

If you have any questions regarding this interim significant permit revision petition, please contact Nathan C. Bell, at (317) 232-5372 or call (800) 451-6027, extension 2-5372.

Sincerely,

Original Signed By:  
Nisha Sizemore, Chief  
Permits Branch  
Office of Air Quality

ncb

Enclosure: Interim Significant Permit Revision Petition Evaluation (4 pages)

cc: File - Wabash County  
Wabash County Health Department  
Air Compliance Section - Ryan Hillman  
Permit Tracking

**Indiana Department of Environmental Management  
Office of Air Quality**

**Interim Significant Permit Revision Petition Evaluation**

Company Name: G & S Metal Consultants, Inc.	
Location:	50 Dimension Avenue, Wabash, Indiana 46992
Permit No:	169-248971-00059
Permit Reviewer: Nathan C. Bell	
Date Receipt of Application: 7/6/07	
Date of Review: 7/15/07	
Description of the interim construction:	
1. Construction of a two (2) reverberatory (remelt) furnaces (EU-4 and EU-5) 2. Construction of a three (3) holding furnaces (HF-2, HF-3, HF-4)	
Public Notice – July 3, 2007 PN Ended – July 17, 2007	

Interim Petition Applicability: 326 IAC 2-13-1

- (a) Existing Source with valid permit;
- (b) Exemptions:
- (1) construction of a PSD source or PSD modification;
  - (2) construction or modification in nonattainment area that would emit those pollutants for which the nonattainment designation is based.
  - (3) any modification subject to 326 IAC 2-4.1.
- (c) For a modification that requires a Significant Permit Revision or Significant Source Modification, a public notice comment period of 14 calendar days is required.

**Instructions: Check (✓) appropriate answers and make a recommendation.**

1. Did the applicant submit a written petition for an interim significant permit revision or significant source modification?
  - Yes Go to question 2.
  - No Ignore verbal request.
2. Did the applicant pay the \$625 interim permit fee?
  - Yes Go to question 3.
  - No Deny the application, pursuant to 326 IAC 2-13-1(c)(1).
3. Did the applicant state acceptance of federal enforceability of an interim significant permit revision or significant source modification?
  - Yes Go to question 4.
  - No Deny the application, pursuant to 326 IAC 2-13-1(c)(2)(D).
4. Did the applicant or its authorized agent sign the application?
  - Yes Go to question 5.
  - No Deny the application, pursuant to 326 IAC 2-13-1(c)(2)(E).

5. Did the applicant submit a notarized affidavit stating that the applicant will proceed at its own risk (if the interim significant permit revision or significant source modification is issued), including, but not limited to:
- (a) Financial risk,
  - (b) Risk that additional emission controls may be required,
  - (c) Risk that the final significant permit revision or significant source modification may be denied.
- Yes Go to question 6.  
 No Deny the application, pursuant to 326 IAC 2-13-1(c)(2)(F).
6. Did the applicant begin construction prior to submitting the interim significant permit revision or significant source modification application?
- Yes Deny the application, pursuant to 326 IAC 2-13-1(h)(6).  
 No Go to question 7.
7. What is the type of the interim construction?
- New Source Deny the application, pursuant to 326 IAC 2-13-1(a)  
 Modification to an existing source Go to question 8.
8. Did the applicant present data in the interim significant permit revision or significant source modification that is sufficient to determine PSD, NSPS, NESHAP, and state rule compliance?
- Yes Go to question 9.  
 No Deny the application pursuant to:  
326 IAC 2-13-1(c)(2)(B), for PSD;  
326 IAC 2-13-1(c)(2)(C), for NSPS or NESHAP;  
326 IAC 2-13-1(c)(2)(C), for state rules.
9. Is the proposed modification to be located in a nonattainment area?
- Yes Go to question 10.  
 No Go to question 11.
- County: Wabash County
10. Will the proposed modification emit the pollutant for which the area is nonattainment in quantities greater than the significant levels?
- Yes Deny the application, pursuant to 326 IAC 2-13-1(a)(2).  
 No Go to question 11.
11. Did the petition include a complete description of the process?
- Yes Go to question 12.  
 No Deny the petition, pursuant to 326 IAC 2-13-1(c)(2).

12. Did the interim significant permit revision or significant source modification petition contain conditions accepting either emission controls (baghouse, afterburners, scrubbers, etc.) or enforceable limits or other suitable restriction to avoid PSD applicability; as well as control parameters (incinerator operating temperature, baghouse pressure drop, etc.)? The specific limits must be explicitly spelled out (i.e.: The gas consumption of the boiler shall not exceed 29 million cubic feet per month.) A statement such as that the company agrees to conditions such that PSD rules are not applicable is not acceptable.
- Yes Go to question 13.  
 No Deny the application, pursuant to 326 IAC 2-13-1(c)(2)(B).
13. Do the emission controls and/or throughput limits prevent PSD applicability?
- Yes Go to question 14.  
 No Deny the application, pursuant to 326 IAC 2-13-1(c)(2)(B).
14. Will the modification, after application of all emission controls and/or throughput limitations comply with all applicable New Source Performance Standards (NSPS) (40 CFR 60)?
- Yes Go to question 15.  
 No Deny the application, pursuant to 326 IAC 2-13-1(c)(2)(C).
15. Will the modification, after application of all emission controls and/or throughput limitations comply with all applicable National Emission Standards for Hazardous Air Pollutants (NESHAP)?
- Yes Go to question 16.  
 No Deny the application, pursuant to 326 IAC 2-13-1(c)(2)(C).
16. Will the modification, after application of all emission controls and/or throughput limitations, comply with all applicable state rules?
- Yes Go to question 17.  
 No Deny the application, pursuant to 326 IAC 2-13-1(c)(2)(C).
17. Does the applicant dispute applicability of any applicable state or federal rule?
- Yes Deny the application, pursuant to 326 IAC 2-13-1(c)(2)(C).  
 No Go to question 18.
18. Is there good reason to believe that the applicant does not intend to construct in accordance with the interim significant permit revision or significant source modification petition?
- Yes Deny the application, pursuant to 326 IAC 2-13-1(h)(1).  
 No Go to question 19.
19. Is there good reason to believe that information in the petition has been falsified?
- Yes Deny the application, pursuant to 326 IAC 2-13-1(h)(7).  
 No Approve the interim significant permit revision or significant source modification petition.
20. Has the petition been adequately public noticed? A proof of publication copy is necessary.
- Yes Go to question 21.  
 No Deny the application, pursuant to 326 IAC 2-13-1(e).

Newspaper: Wabash Plain Dealer

Date of publication: 7/3/2007

21. Were comments received within seventeen (17) days after the public notice of the interim significant permit revision or significant source modification?

(14 calendar days for comment period + 3 working days for mailing)

- Yes Evaluate the comments received, and make a recommendation.
- No Issue the final interim significant permit revision or significant source modification approval.