



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
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*Thomas W. Easterly*  
Commissioner

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September 27, 2012

Mr. David Sulc  
Nucor Steel  
4357 South Nucor Road  
Crawfordsville, Indiana 47933

Re: 107-32334-00038  
Review Request to:  
Significant Source Modification No. 107-29766-00038

Dear Mr. Sulc:

On September 5, 2012, the Office of Air Quality (OAQ) received a letter from Nucor Steel requesting an extension to the 18-month construction deadline required as part of the approval for Significant Source Modification No. 107-29766-00038 issued on April 4, 2011. This extension was requested due to the current state of the economy delaying corporate funding. The significant source modification was issued for the construction and modification of the following emission units:

- (a) Approved in 2011 for modification of the existing Slag operation, EU-10 by adding two (2) conveyors, identified as TSP-1 and TSP-5, replacement Screen identified as TSP-2 rated at 341 tons/hour, addition of a magnetic separator to a new conveyor belt, exiting the Grizzly and increase the Grizzly's capacity from 204 tons/hour to 305 tons/hour.

The existing screening process, TSP-8, consisting of three (3) screeners with a total rated capacity of 305 tons/hr will be increased to 447 tons/hr. The screened material will be conveyed into the remaining permitted EU10 operation which will increase utilization due to the increase in capacity of TSP-8.

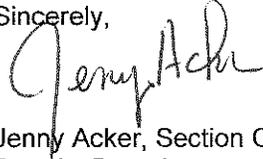
One (1) crusher, TSP-6 with a maximum throughput rate of 100 tons per hour, approved in 2010 for construction and approved in 2011 to increase its capacity to 305 tons per hour.

- (b) Blend Plant, approved in 2011 for construction, with a maximum rated capacity of 305 tons per hour, which includes front end loaders identified as BP-1 and conveying system identified as BP-2, with fifty (50) slag storage piles. The Blend Plant will further process the various materials streams from the existing Slag Operation EU-10 to produce various blends of slag products. The Blend Plant will process any slag material that is not processed by Melt Solutions, the temporary screening plant or that is processed as slag chips.
- (c) Temporary Screening Plant, approved in 2011 for construction, with maximum rated capacity of 60 tons per hour, powered by a 97 HP diesel generator, TSP-3. This screening plant will further screen the slag product from EU-10 to a smaller size for special applications. When this screen plant is not in operation this material will go to the Blend Plant.
- (d) One (1) Coil and Scrap Cutting Operation, identified as CC-1, with particulate emissions controlled by a baghouse, utilizing one (1) 11 million British thermal units per hour (MMBtu/hr) torch unit to cut the coils and scrap, approved in 2011 for construction.

No new state and federal rules are applicable to these emission units.

Therefore, OAQ agrees to extend the 18 month construction deadline by an additional 18 months, and will extend the timing to April 4, 2014. If construction does not commence on or before this date, additional approval from the Office of Air Quality shall be required.

Sincerely,



Jenny Acker, Section Chief  
Permits Branch  
Office of Air Quality

JLA/kw

CC: Lake County  
Lake County Health Department  
Air Compliance and Enforcement Branch  
Permits Administration and Support Section

# Mail Code 61-53

IDEM Staff	MIDENNEY 9/27/2012 Nucor Steel 107-32334-00038 (final)		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		David A Sulc Nucor Steel 4537 S Nucor Rd Crawfordsville IN 47933 (Source CAATS)										
2		Ronald Dickerson VP/GM Nucor Steel 4537 S Nucor Rd Crawfordsville IN 47933 (RO CAATS)										
3		Crawfordsville City Council and Mayors Office 300 E. Pike St Crawfordsville IN 47933 (Local Official)										
4		Montgomery County Health Department 110 W. South Blvd Suite 100 Crawfordsville IN 47933-3351 (Health Department)										
5		Montgomery County Commissioner 110 West South Boulevard Crawfordsville IN 47933 (Local Official)										
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