



**NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT**

Preliminary Findings Regarding a
Significant Modification to a
Part 70 Operating Permit
for Grain Processing Corporation in Daviess County
Significant Source Modification No.: 027-48981-00046
Significant Permit Modification No.: 027-49185-00046

The Indiana Department of Environmental Management (IDEM) has received an application from Grain Processing Corporation, located at 1443 S 300 W, Washington, IN 47501, for a significant modification of its Part 70 Operating Permit issued on March 9, 2021. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow Grain Processing Corporation to make certain changes at its existing source. Grain Processing Corporation has submitted an application relating to the following:

(1) The modification is to install the following new equipment listed below. The additional equipment will also cause debottlenecks in the existing equipment.

- Gluten Production Process
 - Gluten Storage Bin FP43
- Germ Production Process
 - NG/Biogas Germ Dryer 2
 - Totally Enclosed Germ Dryer Discharge Conveyor System
 - Totally Enclosed Germ Transport System FP10
- Corn Gluten (CGF) Production Process
 - NG/Biogas Fiber Pre-Dryer
 - NG CGF Dryer 2
 - Totally Enclosed CGF Transport System CGF #2 Transport System FP48
 - CGF Storage Bin FP50
 - Totally Enclosed CGF Storage System Discharge Conveyor System
 - CGF Final Milling Area FP49
 - Totally Enclosed CGF Final Mill System Discharge Conveyor System
- RTOs FPC36a and FPC36b
- CGF Pellet Production Process
 - 2 Pellet Mills #2 and #3
 - 2 Totally Enclosed Pellet Milling System Discharge Conveyor Systems
 - 2 Pellet Coolers #2 and #3
 - 2 Totally Enclosed Pellet Cooling System Discharge Conveyor Systems

(2) The new mill and dryers will result in an increase in throughput upstream of the new production equipment. GPC is projecting that actual production will increase by 15% upstream of the new mills and dryers. The existing equipment does not need to be modified to accommodate the additional throughput; the design capacities of the units are sufficient to handle the additional throughput from the project. There are no changes necessary to the existing permit conditions as a result to the increase in actual throughput. The equipment impacted upstream will be:

- CP01: Truck/Railcar Unloading Pit & Truck Unloading Pit
- FP05: Corn Storage System Silos A-F & Corn Cleaning System
- FP06: Corn Storage System Silos A-F & Corn Cleaning System
- FP07: Primary Mill Area, Germ Separation Area, and Secondary Milling Area



- FP10: Germ Transport System
- FP11: Germ Storage Bin
- FP13: Caustic Wet Scrubber
- FP20: Corn Storage Process Supplemental CGF System
- FP22: CGF Storage Bin
- FP25: Pellet Storage Bin
- FP27: Fiber Separation System and Starch and Gluten Separation Area
- FP32: WESP
- FP34: Germ Dryer, CGF Dryer, Gluten Dryers #1 and #2, and RTOs FPC34a and FPC34b

(3) The new equipment will also result in the following downstream impacts. After Starch and Gluten Separation, the stream splits to be processed as Alcohol, Starch or Maltodextrin (Lines Malt #1 and Malt #2). The increase in production is still expected to be 15% after Starch and Gluten Separation. GPC used existing production to determine the ratio of feed to each of the production streams and estimated the following increases: 10.05% increase in throughput to Alcohol, 2.40% to Starch, and 2.55% to Maltodextrin. The existing equipment does not need to be modified to accommodate the additional throughput; the design capacities of the units are sufficient to handle the additional throughput from the project. There are no changes necessary to the existing permit conditions as a result to the increase in actual throughput.

(i) Emission units associated with Alcohol are:

- AP29: Fermentation System Scrubber
- AP30: Pre-Fermenters, Fermentation System, Vacuum Degasification Column, Distillation System, and Beverage Alcohol Storage
- AP31: Flash Cooling System
- AP33: Fugitive Alcohol Emissions
- AP34: Degasification Scrubber
- AP40: Supplemental CGF Evaporation System
- AP82: Tank AP82 (Denaturant Tank #5)
- AP83: Tank AP83 (Heads Tank #2)
- AP84: Tank AP84 (Heads Tank)
- AP85: Tank AP85 (Denaturant Tank #1 (TK-106-020))
- AP86: Tank AP86 (Denaturant Tank #2 (TK-106-021))
- AP87: Tank AP87 (Denaturant Tank #3 (TK-106-022))
- AP88: Tank AP88 (Denaturant Tank #4)
- AP89: Tank AP89 (Denaturant Mix Tank #2)
- AP90: Tank AP90 (Denaturant Mix Tank #1)
- AP91: Tank AP91 (Denaturant Mix Tank #3)
- AP94: Tank AP94 (Alcohol Burn Tank)
- AP97: Tanks AP83, AP84, and AP94 (Distillation Products Loadout System)
- UP51: NG Boiler 1 and Boiler 2

(ii) Emission units associated with Starch are:

- SP44a: Totally Enclosed Starch Loadout System
- SP44b: Totally Enclosed Starch Loadout System
- SP46: 8 Starch Reactors
- SP49: NG Starch Dryer
- SP50: Starch Storage System (4 Starch Storage Bins)
- SP64: Soda Ash Storage Bin

(iii) Emission Units associated with Malt 1 are:

- MP39: Maltrin Spray Dryer Scrubber
- MP40: Maltodextrin Drying System
- MP41: Totally Enclosed Maltodextrin Loadout Process

- MP42: Totally Enclosed Maltodextrin Transfer Conveyor System
- MP44: Maltodextrin Storage System (4 Maltodextrin Storage Bins)
- MP60: 2 Filter Aid Storage Bins (shared with Malt 2)
- MP61: Dry Carbon Storage Bin (shared with Malt 2)

(iv) Emission Units associated with Malt 2 are:

- MP79: Malt 2 Spray Dryer Scrubber
- MP80: Maltodextrin Spray Dryer
- MP81: Maltodextrin Loading and Screening Process
- MP82: Maltodextrin PC Receiver
- MP84: 4 Maltodextrin Storage Bins
- MP85: Maltodextrin Bin Tower Product Receiver

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

A copy of the permit application and IDEM's preliminary findings have been sent to:

Washington Carnegie Public Library
300 W Main St
Washington, IN 47501

A copy of the preliminary findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

A copy of the application and preliminary findings is also available via IDEM's Virtual File Cabinet (VFC) located at <https://www.in.gov/idem/legal/public-records/virtual-file-cabinet/>. Once you have accessed VFC, you will then have the option to search for source related documents using a variety of criteria. To find documents related to this air permit, click on "Advanced Search", specify "OAQ" in the Program search field, specify the five-digit permit number "49185" or the five-digit source modification number "48981" in the Permit # search field, then click the Search button at the top or bottom of the webpage.

How can you participate in this process?

This notice is posted on IDEM's website (<https://www.in.gov/idem/public-notices/>). The date that this notice is posted on IDEM's website marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit by sending a written request to IDEM at the address below. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If IDEM decides to conduct a public hearing and/or public meeting, IDEM will post a separate announcement of the date, time, and location of that public hearing and/or public meeting on IDEM's website (<https://www.in.gov/idem/public-notices/>). At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing, should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please

contact IDEM at the address below. Please refer to permit number SPM 027-49185-00046 and SSM 027-48981-00046 in all correspondence.

Comments should be sent to:

Tessa Dedek
IDEM, Office of Air Quality
Indiana Government Center North
100 North Senate Avenue, Room 13W
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for Tessa Dedek
Or dial directly: (317) 234-5401
Fax: (317) 232-6749 attn: Tessa Dedek
E-mail: tdedek@idem.IN.gov

In order to notify you of our final decision regarding this permitting action, your U.S. mailing address must be submitted with all comments.

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <https://www.in.gov/idem/airpermit/public-participation/>; and the Citizens' Guide to IDEM on the Internet at: <https://www.in.gov/idem/resources/citizens-guide-to-idem/>.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the addresses indicated above and will also be sent to the local library indicated above.

If you have any questions, please contact Tessa Dedek of my staff at the above address.



Heath Hartley, Section Chief
Permits Branch
Office of Air Quality