

STATE OF MISSOURI



DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 072012-014 Project Number: 2012-01-002
Installation Number: 031-0112

Parent Company: SEMO Milling LLC

Parent Company Address: 261 River Road, Scott City, MO 63780

Installation Name: SEMO Milling, LLC

Installation Address: 261 River Road, Scott City, MO 63780

Location Information: Cape Girardeau County, S28, T30N, R14E

Application for Authority to Construct was made for:
Two Satake Degerminators, one Great Western Sifter, Positive Pneumatic Transfer System, Kice Aspirator for Tailstock, Hominy Grinder System, Brewer Grit "210 Grit" Indirect Dryer System (1.5 MMBTU per hour), and an Auxiliary Transfer System to trans load rail/truck.. This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

- Standard Conditions (on reverse) are applicable to this permit.
- Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

JUL 30 2012

Wendy J. for Kyril More

EFFECTIVE DATE

DIRECTOR OR DESIGNEE
DEPARTMENT OF NATURAL RESOURCES

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Department's Air Pollution Control Program of the anticipated date of startup of these air contaminant sources. The information must be made available within 30 days of actual startup. Also, you must notify the Department of Natural Resources Regional office responsible for the area within which you are located within 15 days after the actual startup of these air contaminant sources.

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources' personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant sources(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.

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Project No.	2012-01-002

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

SEMO Milling, LLC
Cape Girardeau County, S28, T30N, R14E

1. Control Device Requirement-Baghouse
 - A. SEMO Milling, LLC shall operate and maintain the baghouses in accordance with the manufacturer's specifications whenever the associated emission units are in operation. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources' employees may easily observe them. Please refer to Attachment B (equipment list) for the baghouses identified in the list.
 - B. SEMO Milling, LLC shall keep replacement filters for the baghouses on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).
 - C. SEMO Milling, LLC shall monitor and record the operating pressure drop across the baghouses at least once every 24 hours. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty.
 - D. SEMO Milling, LLC shall maintain an operating and maintenance log for the baghouses (refer to Attachment A as an example of the format) which shall include the following:
 - 1) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - 2) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
2. Control Device Requirement-Cyclones
SEMO Milling, LLC shall operate and maintain the cyclones in accordance with the manufacturer's specifications whenever the associated emission units are in operation. Please refer to Attachment B (equipment list) for the cyclones identified in the list.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

3. **Control Device Requirement-Enclosures**
SEMO Milling, LLC shall maintain the enclosures such that no emissions enter the ambient air from the associated emission units. Please refer to Attachment B (equipment list) for the enclosures identified in the list.
4. **Record Keeping and Reporting Requirements**
 - A. SEMO Milling, LLC shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
 - B. SEMO Milling, LLC shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which any record required by this permit show an exceedance of a limitation imposed by this permit.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (5) REVIEW

Project Number: 2012-01-002

Installation ID Number: 031-0112

Permit Number:

SEMO Milling, LLC
261 River Road
Scott City, MO 63780

Complete: January 31, 2012

Parent Company:
SEMO Milling LLC
261 River Road
Scott City, MO 63780

Cape Girardeau County, S28, T30N, R14E

REVIEW SUMMARY

- SEMO Milling, LLC has applied for authority to add the following equipment to their installation: two Satake Degerminators, one Great Western Sifter, Positive Pneumatic Transfer System, Kice Aspirator for Tailstock, Hominy Grinder System, Brewer Grit "210 Grit" Indirect Dryer System (1.5 MMBTU per hour), and an Auxiliary Transfer System to trans load rail/truck.
- Hazardous Air Pollutant (HAP) emissions are not expected from the proposed equipment.
- 40 CFR 60 Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*, of the New Source Performance Standards (NSPS) apply to the installation (an existing boiler, not a part of this project).
- 40 CFR 60 Subpart DD, *Standards of Performance for Grain Elevators*, does not apply to the installation because the source has a maximum storage capacity less than 2.5 million bushels.
- None of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) apply to this installation. None of the currently promulgated Maximum Achievable Control Technology (MACT) regulations apply to the proposed equipment.
- Baghouses, cyclones and enclosures are being used to control the particulate matter emissions from the equipment at this facility.
- This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of all regulated air pollutants are below the de minimis levels.
- This installation is located in Cape Girardeau County, an attainment area for all criteria pollutants.

- This installation is not on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2. The installation's major source level is 250 tons per year and fugitive emissions are not counted toward major source applicability.
- Ambient air quality modeling was not performed since potential emissions of the application are below de minimis levels.
- A Basic Operating Permit is required for this installation. A Basic Operating Permit Notification was received on April 1, 2009. This operating permit notification is currently enforceable and will expire March 31, 2014. A timely operating permit notification must be submitted to include the conditions of this construction permit.
- Approval of this permit is recommended

INSTALLATION DESCRIPTION

SEMO Milling, LLC (SEMO Milling) is an existing de minimis source located in Cape Girardeau County, Missouri. The dry corn milling facility produces food grade corn products; including: flour, corn meal, and brewer's grits. A process by-product, known as hominy, is also produced for the animal feed industry.

Certain information submitted by SEMO Milling, LLC may be found in the confidential file for this facility.

No construction permits have been issued to SEMO Milling, LLC from the Air Pollution Control Program.

Table 1: Project History

Project Number	Description
2006-09-018	Applicability determination for the fabrication of a corn milling operation. No construction permit was required, but some recording keeping and documents were required to be kept.
2008-01-053	Applicability determination for the fabrication of a brewer's grit dryer operation. No construction permit was required, but some recording keeping and documents were required to be kept.
2009-03-047	Applicability determination for the installation of a 12.5 ton per hour natural gas fired Tornish column dryer. No construction permit was required, but a Basic Operating Permit Notification was required based on New Source Performance Standard requirement.
2009-04-015	Basic Operating Permit Notification received and processed.

The facility had not been constructed at the time of the two most recent state inspections.

PROJECT DESCRIPTION

The project is described as follows:

- One to Four months of Project Activity: add two Satake Degerminators, one Great Western Sifter, Positive Pneumatic Transfer System, Kice Aspirator for Tailstock, Hominy Grinder System, Brewer Grit "210 Grit" Indirect Dryer System (1.5 MMBTU per hour), and an Auxiliary Transfer System to trans load rail/truck.
- Four to Twenty Four months of Project Activity: add 2.6 million bushels of throughput capacity utilized with existing corn milling equipment, Additional Corn and Hominy Storage, and a PreGel Flour System.

SEMO Milling, LLC has requested confidentiality as allowed per 10 CSR 10-6.210 *Confidential Information* with regards to the emission factors used and the amount and type of raw materials processed due to the proprietary nature of the information. This information can only be obtained with written permission from SEMO Milling, LLC.

EMISSIONS/CONTROLS EVALUATION

Throughout the history of this facility, the “potential” emissions have been considered to be the after control devices emission rate. There were, however, no permit conditions requiring the control devices. An argument can be made that once the control devices have been operated, their removal or a reduction in the control efficiency would constitute a “modification” that results in an increase in emissions. Those types of changes would therefore require permitting authority approval. To make everything clear and based on the definition of “potential to emit”, this construction permit is requiring the operation, maintenance and monitoring of all control devices and enclosures at the facility.

The emission factors used in this analysis were obtained from the Environmental Protection Agency (EPA) document AP-42, Compilation of Air Pollutant Emission Factors, Fifth Edition, Section 9.9.1 Grain Elevators And Processes (May 2003) and from Section 1.4, Natural Gas Combustion (July 1998). Table 2 provides an emissions summary for this project. The “Uncontrolled Emissions” column is the potential to emit without controls. The “Installation Conditioned Emissions” column is the potential to emit after the air pollution control is applied and after project approval. Some processes emissions (notably the truck receiving and loadout) have been considered “bottlenecked”. The bottlenecked throughput is considered to be 306,109 tons per year of grain. Should future projects increase the tons of grain per year, then these processes will need to be evaluated for their increased emissions.

Table 2: Emissions Summary (tons per year)

Pollutant	Regulatory <i>De Minimis</i> Levels	Installation Uncontrolled Emissions	Installation Conditioned ¹
PM	25.0	N/D	N/D
PM ₁₀	15.0	278.3	10.4
PM _{2.5}	10.0	101.8	2.1
SOx	40.0	0.1	0.1
NOx	40.0	5.3	5.3
VOC	40.0	0.7	0.7
CO	100.0	4.5	4.5
HAPs	10.0/25.0	0.5	0.5

N/D = Not Determined

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of all regulated air pollutants are below the de minimis levels.

APPLICABLE REQUIREMENTS

SEMO Milling, LLC shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved. These applicable requirements should be reflected in the Basic Operating Permit Notification, unless an explanation is provided.

GENERAL REQUIREMENTS

- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110
- *Operating Permits*, 10 CSR 10-6.065
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-6.165

SPECIFIC REQUIREMENTS

- *Restriction of Emission of Particulate Matter From Industrial Processes*, 10 CSR 10-6.400: These operations are exempt from this rule based on the requirement for control devices with greater than 90% control efficiency.

¹ In this case, "Conditioned" means the controls are required.

- *New Source Performance Regulations, 10 CSR 10-6.070 – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60, Subpart Dc.*
- *Restriction of Emission of Sulfur Compounds, 10 CSR 10-6.260:* These operations and combustion sources are exempt based on the use of natural gas, exclusively.
- *Restriction of Particulate Matter Emissions From Fuel Burning Equipment Used for Indirect Heating, 10 CSR 10-6.405:* These operations and combustion sources are exempt based on the use of natural gas, exclusively.

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, I recommend this permit be granted with special conditions.

Randy E. Raymond
Environmental Engineer

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated December 20, 2011, received January 3, 2012, designating SEMO Milling LLC as the owner and operator of the installation.
- U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition.

Attachment B – Equipment List

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
SV101 07:07	C101	EU99	Truck Loadout Finished Product Bulk
SV101 07:07	C101	EU59	Truck Retractable Loading Spout
SV101 07:07	C101	EU100	Rail Loadout Finished Product Bulk
SV101 07:07	C101	EU60	Rail Loadout Finished Product Bulk
SV101 01:07	C101	EU101	Grain Dump Pit Truck: Unloading Area
SV101 01:07	C101	EU102	Grain Dump Pit Rail: Unloading Area
SV101 01:07	C101	EU103	Drag Conveyor: Unloading Area
SV101 01:07	C101	EU103B	Bucket Elevator Leg: Unloading Area
SV101 01:07	C101	EU104	Grain Storage (2940 tons)
SV101 06:07	C101	SV101	Flex Kleen Baghouse #1
SV102 01:07	C102	EU116	Raw Corn Screw Conveyor: 4th FL
SV102 01:07	C102	EU117	Selis Screener N: 4th FL
SV102 01:07	C102	EU118	Selis Screener S: 4th FL
SV102 01:07	C102	EU119	Selis Aspirator N: 4th FL
SV102 01:07	C102	EU120	Selis Aspirator S: 4th FL
SV102 03:07	C102/CY102	EU121	Mill Scrap Pneumatic Transfer: 4th FL
SV102 02:07	C102/CY102	EU122	Tempered Corn Pneumatic Transfer to Satakes: 4th FL
SV102 02:07	C102/CY102	EU123	4 Grit Pneumatic Transfer to Sifter: 4th FL
SV102 02:07	C102	EU124	4 Grit Polisher: 2nd FL
SV102 05:07	C102	EU199	Discharge from Tornesh Dryer Receiving Cyclone and Airlock
SV102 05:07	C102	SV102 05:07	Wheelabrator Baghouse #2: 3-4169: 4th FL
SV103 03:07	C103/CY103	EU130	1st Break Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU131	1st Break Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU132	2nd Break Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU133	2nd Break Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU134	3rd Break Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU135	3rd Break Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU136	1st Reduction Roll Negative Lift Transfer: 4th FL

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
SV103 03:07	C103/CY103	EU137	1st Reduction Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU138	1st Reduction Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU139	1st Reduction Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU140	2nd Reduction Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU141	2nd Reduction Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU142	3rd Reduction Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU143	3rd Reduction Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU144	3rd Reduction Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU145	3rd Reduction Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU146	Cones Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU147	Cones Roll Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU148	Color Sorter Rejects Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU149	Color Sorter Rejects Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU150	Minus 12 Grit Negative Lift Transfer: 4th FL
SV103 03:07	C103/CY103	EU151	Rotex Screener Thurs Bagging: Negative Lift: (Removed from Premises)
SV103 03:07	C103	SV103	Kice HP Baghouse #3: 3-4131: 4th FL
SV104 02:07	C104/CY104	EU125	#1 Satake Degerminator: 4th FL
SV104 02:07	C104/CY104	EU126	#2 Satake Degerminator: 4th FL
SV104 02:07	C104/CY104	EU127	#3 Satake Degerminator: 4th FL
SV104 02:07	C104/CY104	EU128	#4 Satake Degerminator: 4th FL
SV104 02:07	C104/CY104	EU129	#5 Satake Degerminator: 4th FL
SV104 02:07	C104/CY104	EU266	#6 Satake Degerminator: 4th FL
SV104 02:07	C104/CY104	EU267	#7 Satake Degerminator: 4th FL
SV104 04:07	C104	SV104	Wheelabrator Baghouse #4: 3-4168: 4th FL
SV105 01:07	C105/CY105	EU105	Raw Corn Positive Pneumatic Transfer from Storage
SV105 01:07	C105/CY105	EU106	Clean Corn to Temper Surge Bin Positive Pneu. Transfer
SV105 01:07	C105/CY105	EU107	Positive Pneumatic Transfer System to Clean Corn Tank
SV105 01:07	C105	EU108	Air Relief Duct on Pretemper Surge Tank: 3rd FL
SV105 01:07	C105	EU109	Air Relief Duct on Clean Corn Tank: 3rd FL

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
SV105 06:07	C105/CY105	EU110	Positive Pneumatic Transfer System Floor Sweep: 3rd FL
SV105 01:07	C105	EU111	Clean Corn Conveyor: 1st FL
SV105 06:07	C105	EU112	Hominy Scale: 1st FL
SV105	C105	EU114	Surge Bin #2 Reclaim Transfer Airlock (Replaced by Forsberg Grit Sifter)
SV105 01:07	C105	EU115	Tempered Corn Surge Hopper
SV105 01:07	C105	EU224	Positive Pneumatic Transfer System (Removed from Premises)
SV105 06:07	C105/CY105	EU193	Color Sorter Accepts Positive Transfer to Clean Corn Tank
SV105 05:07	C105	SV105	Wheelabrator Baghouse #5: 2-4025: 4th FL
SV106 03:07	C106	EU152	Forsberg 50V Gravity Table: 3rd FL
SV106 03:07	C106	EU153	Kice Aspirator above 50V Gravity Table: 4th FL
SV106 03:07	C109	EU154	Kice Aspirator above 40V Gravity Table: 4th FL
SV106 04:07	C106	SV106	Wheelabrator Baghouse #6 3-3083: 3rd FL
SV107 03:07	C107/CY107	EU155	Forsberg 50V Positive Pneumatic Transfer System: 4th FL
SV107 03:07	C107/CY107	EU156	Forsberg 40V Positive Pneumatic Transfer System: 4th FL
SV107 02:07	C107/CY107	EU157	Tailstock Carrier Dryer Discharge Positive Pneu. Transfer: 3rd FL
SV107 02:07	C107/CY107	EU158	Forsberg 50V and 40V Discharge Positive Pneumatic: 4th FL
SV107 02:07	C107	EU159	Satake Tailstock Discharge Screw Conveyor: 4th FL
SV107 02:07	C107/CY107	EU160	Thrustock Tornesh Dryer Positive Pneumatic Transfer: 3rd FL
SV107 02:07	C107	EU161	Tailstock Primary Kice Aspirator: 3rd FL
SV107 04:07	C107	SV107	Wheelabrator Baghouse #7: 3-3083: 3rd FL
SV108 02:07	C108/CY108	EU162	1st Break Feed Positive Pneumatic Transfer System: 3rd FL
SV108 02:07	C108	EU163	Satake 4 Grit Color Sorter: 2nd FL
SV108 01:07	C108	EU219	N Primary Color Sorter: 2nd FL
SV108 01:07	C108	EU221	S Primary Color Sorter: 2nd FL
SV108 02:07	C108/CY108	EU259	Kice Primary Aspirator and Cyclone Tailstock
SV108 06:07	C108/CY108	EU265	Champion Hammer-mill Hominy System and Cyclone
SV108 01:07	C108	EU236	Screw Conveyor Feed to Color Sorters: 3rd FL

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
SV108	C108	SV108	Wheelabrator Baghouse #8 3-3166: 3rd FL
SV109 03:07	C109	EU164	Forsberg P-6 Destoner: 2nd FL (Out of Service)
SV109 03:07	C109	EU165	S Kice Bran Finisher: 2nd Floor
SV109 03:07	C109	EU166	N Kice Bran Finisher: 4th Floor
SV109 03:07	C109/CY109	EU228	Bran System Kice Aspirator/Cyclone
SV109 03:07	C109/CY109	EU252	Champion Hammer-mill Bran System and Cyclone/Baghouse
SV109 02:07	C109/CY109	EU167	2nd/3rd Break Discharge Positive Pneumatic Transfer: 4th FL
SV109 02:07	C109	EU168	Forsberg Aspirator 1st Reduction: 2nd FL
SV109 03:07	C109	EU170	310 Grit Aspirator: 1st FL
SV109 02:07	C109/CY109	EU172	Feed to 2nd Break Roll Positive Pneumatic Transfer: 4th FL
SV109 03:07	C109	EU173	4 Grit from Color Sorter Transfer Airlock: 1st FL
SV109 03:07	C109	EU174	12 & 14 Grit Transfer Airlock: 1st FL
SV109	C109	SV109	Wheelabrator Baghouse #10: PM 2076: #rd FL
SV110 03:07	C110	EU175	N Great Western Sifter 6 Section: 3rd FL
SV110 03:07	C110	EU176	S Great Western Sifter 6 Section: 3rd FL
SV110 02:07	C110	EU177	N Great Western Sifter 4 Section: 3rd FL
SV110 02:07	C110	EU178	S Great Western Sifter 4 Section: 3rd FL
SV110 02:07	C110	EU268	Great Western Sifter 4 Section: 3rd FL for Mill Expansion
SV110 02:07	C110	EU269	Positive Pneumatic Transfer System: 2nd FL for Mill Expansion
SV110 06:07	C110/CY110	EU179	Reclaim 1-5 Positive Pneumatic Transfer: 3rd FL
SV110 06:07	C110/CY110	EU180	Lifts on Carrier Dyer Positive Pneumatic Transfer: 3rd FL
SV110 02:07	C110	EU181	Great Western Prem. Meal 4 Section Sifter: 2nd FL
SV110 03:07	C110	EU182	210 Grit Positive Pneumatic Transfer System to Dryer
SV110 03:07	C110	EU183	Bran System Kice Aspirator/Cyclone
SV110 07:07	C110	EU184	Mixing Surge Tank Packaging: Mix and Blend Area
SV110 07:07	C110/CY110	EU185	#1 Bagging Positive Pneumatic Transfer: Above Bagger- 1st FL
SV110 07:07	C110/CY110	EU186	#2 Bagging Positive Pneumatic Transfer: Above Bagger- 1st FL
SV110 07:07	C110	EU187	Norvell Fines Sifter
SV110 07:07	C110	EU188	Inside Row Positive Pneumatic Transfer: Tank Farm Area Outside
SV110 01:07	C110	EU193	Clean Corn Scale: 1st FL (Out of Service)

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
CY101 03:07	CY101	EU194	40-V Gravity Table Cyclone and Fan (Out of Service)
SV110 07:07	C110/CY110	EU201	Middle Row Positive Pneumatic Transfer: Tank Farm Area Outside
SV110 07:07	C110/CY110	EU205	Outer Row Positive Pneumatic Transfer: Tank Farm Area Outside
SV110 07:07	C110/CY110	EU207	4 Grit Positive Pneumatic Transfer: Tank Farm Area Outside moved to 310 meal
SV110 07:07	C110	EU61	310 Meal Retractable Loading Spout
SV110 07:07	C110	EU211	Air Relief Duct on Mixing Screw Conveyor: Packaging
SV110 07:07	C110	EU213	Ingredient Positive Pneumatic Transfer to Mixing Screw Conv: Pack
SV110 07:07	C110/CY110	EU234	Surge Bin/Bag Packer: Packaging
SV110 07:07	C110/CY110	EU235	Surge Bin/Tote Packer: Packaging
SV110	C110	SV110	Wheelabrator Baghouse #10
SV111 05:07	C111/CY111	EU195	Feed to Tornesh Dryer Positive Pneumatic Transfer System: Outside
SV111 05:07	C111/CY111	EU196	Tornesh Dryer Gas Burner: Outside
SV111 05:07	C111	SV111	Kice Cyclone/Baghouse #11: CR288
SV112 07:07	C112	EU251	310 System Kice Airlock from Sifter: Loadout Area
SV112 05:07	C112/CY112	EU197	Feed to Carrier Fluid Bed Dryer Positive Pneumatic Transfer: Outside
SV112 05:07	C112/CY112	EU198	Carrier Fluid Bed Dryer Positive Pneumatic Transfer: Outside
SV112 05:07	C112/CY112	EU243	Carrier Fluid Bed Dryer Gas Dryer: Outside
SV112 05:07	C112/CY112	EU258	210 Grit Fluid Bed Gas Dryer
SV112 05:07	C112	SV112	Kice Cyclone/Baghouse #12: CR288
SV113 02:07	C113	EU189	140 Grit Positive Pneumatic Transfer to Storage Tank 5C-TK001
SV113 07:07	C113	EU200	140 Grit Storage Tank 5C-TK001: Outside
SV113 07:07	C113	SV113	Kice Baghouse #13: VR16-10: Storage Tank 5C-TK001
SV114 07:07	C114	EU169	310 Snack Meal Positive Pneumatic Transfer System
SV114 07:07	C114	EU202	310 Snack Meal Storage Tank 5B-TK008: Outside
SV114 07:07	C114	SV 114	Kice Baghouse #14: VR32-10: 5B-TK008
SV115 03:07	C115	EU203	610 Cones Positive Pneumatic Transfer to Storage Tank 5C-TK002
SV115 07:07	C115	EU204	610 Cones Storage Tank 5C-TK002
SV115 07:07	C115	SV115	Kice Baghouse #15: VR32-10: 5C-TK002
SV116 03:07	C116	EU192	410 Gilster C.M. Positive Pneumatic Transfer to Storage Tank 5B-TK007

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
SV116 07:07	C116	EU206	410 Gilster C.M. Storage Tank 5B-TK007
SV116 07:07	C116	SV116	Kice Baghouse #16: VR16-10: 5B-TK007
SV117 07:07	C117	EU208	410 Gilster C.M. Storage Tank 5A-TK014
SV117 07:07	C117	EU209	Storage Bin #4-1050 Discharge Transfer Airlock (Part of another System, Relocated)
SV117 07:07	C117	SV117	Kice Baghouse #17: VR16-10: 5A-TK014
SV118 03:07	C118	EU171	4 Grit from Color Sorter Positive Pneu. Transfer to Storage Tank 5C- TK003
SV118 07:07	C118	EU210	4 Grit Storage Tank 5C- TK003
SV118 07:07	C118	EU212	4 Grit Storage Tank 5B- TK008
SV118 07:07	C118	SV118	Kice Baghouse #18: VR16-10: 5B- TK008
SV119 03:07	C118	EU62	Entolator Screw Conveyor
SV119 03:07	C118	EU63	Entolator
SV119 03:07	C119	EU190	750 Flour Positive Pneumatic Transfer to Storage Tank 5A- TK013
SV119 07:07	C119	EU214	750 Flour Storage Tank 5A- TK013
SV119 07:07	C119	SV119	Kice Baghouse #19: VR32-10: 5A- TK013
SV120 07:07	C120	EU220	750 Flour Storage Tank 5A- TK012
SV120 07:07	C120	SV120	Kice Baghouse #20: VR32-10: 5A- TK012
SV121 03:07	C121	EU215	210 Grit Positive Pneumatic Transfer System to Storage Tank 5B-TK009
SV121 07:07	C121	EU216	210 Grit Storage Tank 5B- TK009
SV121 07:07	C121	EU218	210 Grit Storage Tank 5C- TK004
SV121 07:07	C121	SV121	Kice Baghouse #21: VR16-10: 5B- TK009
SV122 07:07	C122/CY122	EU223	Prime Reclaim Positive Pneumatic Transfer to Storage Tank 5C- TK005
SV122 07:07	C122	EU222	Prime Reclaim Storage Tank 5C- TK005
SV122 07:07	C122	SV122 07:07	Cyclone/Baghouse #23
SV123 03:07	C123	EU64	Entolator Screw Conveyor
SV123 03:07	C123	EU65	Entolator
SV123 03:07	C123	EU191	710 Break Flour Positive Pneumatic Transfer to Storage Tank 5B- TK010
SV123 07:07	C123	EU225	710 Break Flour Storage Tank 5B- TK010
SV123 07:07	C123	SV123 07:07	Kice Baghouse #23: VR16-10: 5B- TK010

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
SV124 07:07	C124	EU227	710 Break Flour Storage Tank 5A- TK011
SV124 07:07	C124	SV124	Kice Baghouse #24: VR32-10: 5A- TK011
SV125 06:07	C125	EU113	Hominy Scale Positive Pneu. Transfer to Storage Tank 6A- TK018: 1st FL
SV125 06:07	C125	EU229	Hominy Storage Tank 6A- TK018
SV125 06:07	C125	SV125	Kice Baghouse #25: VR16-10: 6A- TK018
SV126 06:07	C126	EU230	Hominy Storage Tank 6A- TK019
SV126 06:07	C126	SV126	Kice Baghouse #26: VR16-10: 6A- TK019
SV127 06:07	C127/CY127	EU237	Premo Meal Positive Pneumatic Transfer System:
SV127 06:07	C127	EU231	Premo Meal Storage Tank 6A- TK016
SV127 06:07	C127	SV127	Kice Baghouse #27: VR16-10: 6A - TK016
SV128 06:07	C128	EU232	Premo Meal Storage Tank 6A- TK017
SV128 06:07	C128	SV128	Kice Baghouse #28: VR16-10: 6A- TK017
SV129 06:07	C129	EU217	Color Sorter Rejects Storage Tank 5C- TK020 (out of service)
SV129 06:07	C129	SV129	Mac Baghouse #29: 54AVR14-12: 5C-TK020 (out of service)
SV130	C130A	EU244	Boiler (Out of Service) #30 Disconnected: See Boilers and Dryers Tab
SV131	C131	EU245	Truck/Rail Dump Pit Auxillary Building
SV131	C131	EU246	Belt Conveyor Auxiliary Building
SV131	C131	EU248	Tank Storage 30 tons: 15A- TK022 Auxiliary Building
SV131	C131	EU253	Screw Conveyor Auxiliary Building
SV131	C131	SV131	Kice Baghouse #31: VR16-10: 15A- TK022 Auxiliary Building
SV132	C132	EU247	Pneumatic Transfer Auxiliary Building
SV132	C132	EU250	Tank Storage 30 tons: 15A- TK021 Auxiliary Building
SV132	C132	SV132	Kice Baghouse #32: VR16-10: 15A- TK023 Auxiliary Building
SV133	C133	EU254	Tank Storage 30 tons: 15A-TK023 Auxiliary Building
SV133	C133	SV133	Mac Baghouse #33 15A-BHO Auxiliary Building
SV134	C134	EU255	Tank Storage 30tons: 15A-TK024 Auxiliary Building
SV134	C134	SV134	Mac Baghouse #34 15A-BHO Auxiliary Building
SV135	C135/CY135	EU262	Positive Pneumatic Transfer System Auxiliary Building

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
SV135	C135/CY135	EU263	Product Storage (out of service) Auxiliary Building
SV135	C135	EU264	50/100 pound Bagger (out of service) Auxiliary Building
SV135	C135	SV135	Cyclone/Baghouse #35
SV136	C136	EU256	Positive Pneumatic Transfer System From Railcar to Truck Auxiliary Building
SV136	C136	SV136	Mac Baghouse #36 54AVR14-12 Auxiliary Building
SV137	C137	EU257	Positive Pneumatic Transfer System From Railcar to Truck Auxiliary Building
SV137	C137	SV137	Mac Baghouse #37 54AVR21-12 Auxiliary Building
		FS101	Truck Traffic: See Semo Truck Tab
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To Be Constructed Additional Raw Corn Storage, Premium Meal, and Hominy Project

SV101 10:10	C101	EU89	Raw Corn Conveyor Top of Bin
SV101 10:10	C101	EU90	Grain Storage Bin with Internal Ladig Conveyor (5600 tons)
SV101 10:10	C101	EU91	Discharge Conveyor from Bin
SV101	C101	SV101	Flex Kleen Baghouse #1
SV138 10:10	C138	EU92	#1 Hominy-Premium Meal Storage Bin
SV138 10:10	C138	EU93	#1 Hominy-Premium Meal Live bottom Conveyor
SV138	C138	SV138	#1 Hominy-Premium Meal Kice Bin Vent Baghouse VR21-4
SV143 10:10	C143	EU94	#2 Hominy-Premium Meal Storage Bin
SV143 10:10	C143	EU95	#2 Hominy-Premium Meal Live Bottom Conveyor
SV143	C143	SV143	#2 Hominy-Premium Meal Kice Bin Vent Baghouse VR21-4
SV144 10:10	C144	EU96	#3 Hominy-Premium Meal Storage Bin
SV144 10:10	C144	EU97	#3 Hominy-Premium Meal Live Bottom Conveyor
SV144	C144	SV144	#3 Hominy-Premium Meal Kice Bin Vent Baghouse VR21-4
SV145 10:10	C144	EU66	#4 Hominy-Premium Meal Storage Bin
SV145 10:10	C144	EU67	#4 Hominy-Premium Meal Live Bottom Conveyor
SV145	C144	SV145	#3 Hominy-Premium Meal Kice Bin Vent Baghouse VR21-4
SV146 10:10	C138	EU47	Enclosed Discharge Belt Conveyor
SV146 10:10	C138	EU98	Discharge Flex Pan Conveyor #1 Hominy-Premium Meal
SV146 10:10	C138	EU68	Reversing Loading Belt Conveyor

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
SV146	C146	SV146	Kice Baghouse
SV147	C147	SV147	Kice Baghouse

To Be Constructed Pregel Flour Project

SV139 10:10	C139	EU74	#1 Surge Bin for Flour Feed
SV139 10:10	C139/CY139	EU75	#1 PreGel Extruder and Negative Cyclone Lift
SV139 10:10	C139	EU76	#1 PreGel Dryer-Cooler
SV139 10:10	C139	EU77	#1 PreGel G W Sifter
SV139 10:10	C139/CY139	EU78	#1 Pregel Hammermill and Negative Lift Cyclone
SV139 10:10	C139/CY139	EU79	Positive Pneumatic Transfer System to Extruder Surge Bins
SV139 10:10	C139/CY139	EU80	Positive Pneumatic Transfer System to Storage Bins
SV139 10:10	C139	EU81	#2 Surge Bin for Flour Feed
SV139 10:10	C139	EU82	#2 PreGel Dryer-Cooler
SV139 10:10	C139/CY139	EU83	#2 PreGel Extruder and Negative Cyclone Lift
SV139 10:10	C139/CY139	EU84	#2 Pregel Hammermill and Negative Lift Cyclone
SV139 10:10	C139	EU85	#2 PreGel G W Sifter
SV139 10:10	C139/CY139	EU86	Positive Pneumatic Transfer System from PreGel Flour Bin
SV139 10:10	C139	EU87	PreGel Valve Packer
SV139 10:10	C139	EU88	PreGel Tote Packer
SV139 10:10	C139	SV139	Kice Baghouse

To Be Constructed Corn Bran Flour Project

SV 140 11:11	C140	EU226	Bran Storage Bin (40 tons)
SV140 10:10	C140	SV140	Kice Bin Vent Baghouse
SV 141 11:11	C141/CY141	EU233	Positive Pneumatic Transfer System to Scale
SV 141 11:11	C141	EU238	Belt Scale
SV 141 11:11	C141	EU239	Bran Mixer #1
SV 141 11:11	C141	EU240	Screw Conveyor
SV 141 11:11	C141	EU241	Bran Mixer #2
SV 141 11:11	C141/CY141	EU242	Pulvacron Grinder with Negative Lift
SV 141 11:11	C141	EU69	Sifter
SV 141 11:11	C141/CY141	EU70	Positive Pneumatic Transfer System to Sifter
SV 141 11:11	C141/CY141	EU71	Positive Pneumatic Transfer System to Valve Packer
SV 141 11:11	C141	EU72	Valve Packer

Stack ID/Page No.	Control Equipment ID	Emission Unit ID	Emission Sources
SV141 11:11	C141	SV141	Kice Baghouse
SV142 11:11	C142	EU73	Surge Bin (20 tons)
SV142 11:11	C142	SV142	Kice Bin Vent Baghouse
SVXXX 03:07		EU48	Totally Enclosed Spout Impact Scale 140 Grit
SVXXX 03:07		EU49	Totally Enclosed Spout Impact Scale 210 Grit
SVXXX 03:07		EU50	Totally Enclosed Spout Impact Scale 710 Flour
SVXXX 03:07		EU51	Totally Enclosed Spout Impact Scale 750 Flour
SVXXX 03:07		EU52	Totally Enclosed Spout Impact Scale 610 Meal
SVXXX 03:07		EU53	Totally Enclosed Spout Impact Scale 4 Grit
SVXXX 03:07		EU54	Totally Enclosed Spout Impact Scale Reclaim
SVXXX 02:07		EU55	Totally Enclosed Spout Impact Scale Pretemper
SVXXX 02:07		EU56	Totally Enclosed Spout Impact Scale After Temper
SVXXX 03:07		EU57	Totally Enclosed Spout Impact Scale 410 Meal
SVXXX 03:07		EU58	Totally Enclosed Spout Impact Scale 310 Meal

	Out of Service, Disconnected, or Relocated
	Removed from Premises
	To be Constructed or Installed

* Maximum hourly throughput and maximum annual throughput are facility limits.

** AP-42 Emission factors from AP-42 Section 9.9.1 May, 2003, Table 9.9.1-1 Particulate Emission Factors For Grain Elevators and Grain Milling

Mr. Daniel Fetherston
General Manager
SEMO Milling, LLC
261 River Road
Scott City, MO 63780

RE: New Source Review Permit - Project Number: 2012-01-002

Dear Mr. Fetherston:

Enclosed with this letter is your permit to construct. Please study it carefully. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions, your new source review permit application and with your amended operating permit is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

If you have any questions regarding this permit, please do not hesitate to contact Randy E. Raymond, at the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102, or by telephone at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Susan Heckenkamp
New Source Review Unit Chief

SH:rrk

Enclosures

c: Southeast Regional Office
PAMS File: 2012-01-002

Permit Number: