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Consolidated Grain & Barge Co. Roller Mill Project Overview

About Consolidated Grain & Barge Co. (CGB):

CGB originates and markets grain and oilseeds for the export and domestic channels. CGB has an extensive network of over 90 grain elevators and terminals which utilize various modes of transportation. Our focus is on providing quality service and products for farmers and dealers as well as our end use customers.

About Brooks Grain:

Brooks Grain is a provider of high quality grain services for the craft distilling and brewing industry backed by 50 years of experience. Brooks Grain is a certified diverse supplier for its customers.

Project Purpose:

CGB and Brooks Grain have worked together to supply grains to the distillery business for many years. Our involvement has been supplying bulk quantities of grain although the recent "bourbon boom" and craft distillery movement has opened up opportunities to supply the distillery market with smaller, more specialized quantities of ingredients. Currently, these ingredients have been sourced externally from a milling and bagging operation located near Indianapolis, Indiana.

We desire to move this business to Louisville in order to better serve our customer base and capture the synergies available by having it located next to our Louisville grain elevator. Our intent is to build a small volume roller mill capable of serving this niche market. Our mill will be flexible enough to meet the needs of each of our customers, allowing them to create the perfect mash and bourbon or whiskey for their consumers.

Project Overview:

CGB is proposing to construct an 80ftx80ftx50ft building to house the new mill system and serve as warehouse for the finished product. The building will be an all metal building with interior walls lined and concrete floor to provide a clean facility for the mill system and storing bagged product of whole grain flour and whole grains.

Whole grain would be transported from the existing grain elevator to the new mill system by truck using the existing facility traffic lanes. The grain would be unloaded via a receiving drag conveyor and bucket elevator leg to be stored in a hopper bin. The whole grain is conveyed from the hopper bin to surge bin inside the building via a pneumatic conveyance system. The surge bin will serve to hold whole grain prior to milling system to provide a consistent "feed" to the mill system. Whole grain will be metered from the surge bin via a flow controller into a destoner to separate out higher and lower density weight material (stones, metal, weed seeds, etc.) from the whole grain. The grain will discharge from the destoner and pass thru a bar grate magnet to catch any tramp metal that passes through the destoner. At this point the whole grain can be directed to the roller mill for grinding or to the finished holding hopper bin for bagging. Whole grain directed to the roller mill will pass through 4 rolls to be ground into whole grain flour. Ground product is conveyed from the roller mill via a pneumatic lift system to sifter system to segregate flour by granulation size. Oversized product will be returned to the roller mill via a gravity spout for further grinding. Finished product will be discharged by gravity into a pneumatic

conveyance system to the finished holding hopper bin. The finished holding hopper bin will discharge either finished flour or whole grain into a screw auger to be conveyed to the bag line system surge bin. At this point the product (either finished flour or whole grain) will be weighed and discharged into 5, 10, 25, 50 & 2,000 lb bags.

Operating hours for the proposed milling and bagging operation will be 7:00am to 4:00pm. These hours are consistent with current grain elevator operating hours. Due to this, there will be minimal change in facility lighting. It is important to note the mill system will be a fully automated mill operation, totally enclosed with dust collection on all receiving, milling and bag line equipment and discharge/transfer points. This will provide a clean working and production facility. All dust system fans and pneumatic blowers will have silencers installed to minimize noise levels. This will reduce any excess noise levels that pertain to the operation.

Key Stakeholders Served:

Brown Forman
Heaven Hill
Evan Williams
Michter's
Diageo – Stitzel Weller
Jim Beam

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