

DSM Nutritional Products, Inc.

Community Advisory Panel

Bud Allen
Chair, AirQAP

Rik Atkinson
Mansfield Twp. Resident

Al Bennett
White Twp. Resident

Jim Brandl
DSMNPI – Director SHE

Staci Calligari
DSM NPI

Laurie Christine
Belvidere Office of Emergency Management

Robert Claussen
Council President

Dave Dech
Warren County Planning Department

Robert Goltz
President/CEO, Warren County Regional
Chamber of Commerce

Hal Halvorsen
Chairman, Belvidere Planning Board

Linda Heilman
White Twp

Malcolm Leslie
White Twp. Environmental Commission

Ernest Maso
White Twp. Resident

Victoria Meghdir
Chairman Belvidere Economic
Development Committee

Marianne Meyer-Garcia
Belvidere Town Council

Ann Skoog
White Township Resident

René Vroege
Site Director - DSMNPI

Mark Walsh
Liberty Twp. Resident

Frank Wheatley
Warren County
Emergency Management Coordinator

Stan Wilkins
Belvidere Environmental Commission

Tony Wyhopen
Chairman, White Twp. Planning Board

Minutes

DSM Nutritional Products Inc. Community Advisory Panel Meeting

Tuesday, March 16, 2010

DSM Belvidere – Building 206 (Cafeteria)

In attendance: Bud Allen, Rik Atkinson, Al Bennett, Staci Calligari, Laura Farrell, Linda Frone, Malcolm Leslie, Ernest Maso, Pieter Nelisse, Dave Peer, Ann Skoog, Andy Tynan, René Vroege

- Revisions made to minutes from November 24, 2010 were discussed and approved.
- Minutes from January 19, 2010 were approved.

Tour of Quality Building

René provided the group with a brief introduction of our representatives for our Quality Department. Laura Farrell, manages our Quality Control Microbiology, Linda Frone is a Senior Laboratory Technician and Dave Peer manages Quality Control. The tour began in our microbiology lab.

The Quality Control Microbiology Laboratory located in Belvidere, NJ is a modern, state of the art laboratory which has a full range of capabilities. Testing ranges from Total Aerobic Microbial Count and Total Combined Yeast and Mold Count to Pathogen testing such as Escherichia coli, Salmonella, Pseudomonas aeruginosa, Staphylococcus aureus, Enterobacteria, Listeria sp, Bacillus cereus, and Clostridia.

Production support is provided through various programs such as Environmental Monitoring, Water testing, Swab testing, and Bacteria identifications as well as In-Process testing. Automated biochemical identification systems allow for rapid identification of all microorganisms. Aseptic techniques, thorough documentation practices, and highly trained personnel ensure confidence in all of the results provided to the many internal and external customers serviced.

E. Maso Q: How often do you have incoming contaminations?

L. Farrell A: Very rare – we audit our raw material suppliers.

A. Bennett Q: Wet environment vs. Dry environment?

L. Farrell A: Yes, we test differently depending on the product/materials.

B. Allen Q: Why do we need a combination of well and river water?

A. Tynan A: Volume. Well water is only used for the cooling towers and other specific uses.

A. Skoog Q: What do you do with products with bacteria?

L. Farrell A: Dispose with proper containers.

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P.O. Box 133 • Belvidere, NJ 07823

For more information about the DSM CAP, visit us at www.dsmcap.com.

Tour of Quality Building

B. Allen Q: Why is the hood used?

L. Farrell A: The hood is used to keep items isolated so nothing is contaminated.

B. Allen Q: How long does sample test take?

L. Farrell A: The turn around time in the micro lab is 5-7 days.

Dave Peer and Linda Frone provide a brief introduction of the Quality Control Department. The Physical and Chemical Quality Control department consists of various labs and disciplines including; raw material and finished good labs and environmental testing. The laboratory personnel conduct a wide variety of testing, ranging from wet chemistry to HPLC and GC analysis. The Raw Material lab performs tests on all incoming raw materials to defined internal and compendia tests (EP, USP, FCC, etc.) All finished products are tested using a fully documented methodology using state of the art instrumentation (HPLC, GC, UV, ICP, etc.) which facilitates versatility, productivity as well as efficiency. Dave and Linda explained that all tests conducted have their own SOP (Standard Operating Procedure) and all documentation is recorded, and reviewed. Files are kept electronically as well as hard copy.

M. Leslie Q: Does this help in pinpointing where the problem is?

D. Peer A: QA & QC work directly with production to make sure failures are investigated thoroughly.

A. Bennett Q: How often are failures?

D. Peer A: Not often, but since Premix department is so variable – there's always hard to adjust to precise matters.

Dave Peer added that customers are demanding more and more ingredient to be added to their samples. DSM needs to keep up with the innovation and methodology in the industry.

A. Bennett Q: What is the shelf life?

D. Peer A: We do not add any materials to keep the product on shelf longer.

M. Leslie Q: Is DSM held to lead times or do you have stock on hand?

D. Peer A: 4 days turnaround – that's why we react quickly to failures.

Business Update

René informed the members of the projects on site.

- Co-gen combing electrical and steam generation on site. NJEDA froze all funds and under more investigation before funding can be released. Currently, this project is on hold.
- Approved money to start demolition to parts of Vitamin C. Engineering is needed to determine what we can demolish. DSM has received approvals to continue with the demolition project.
- René is cleaning up what is idle on site. B. Allen Q: Is there a market for the used equipment? René informed him that second hand equipment does not hold value – DSM will select materials we believe we can resell, but the majority will be scrapped. R. Atkinson Q: Will all of Vitamin C be removed? René stated that the tallest portion of the building will remain because operations are ongoing. Building 213 will be removed. Other buildings to be removed in 2010 include: Salt Plant of Vitamin C and Cooling Tower in Building 209.
- DSM overall update – business is good. DNP hasn't shown a decrease in volume. Survival of economic downturn is new selling topic.

Andy Tynan presented information regarding incidents since last meeting.

- No offsite regulatory notifications needed by internally – Maintenance person cut left thumb while using a utility knife. Stitches required.
- Submitted to NJ Right to Surveys to Belvidere and White Township
 - 200 Roche Drive Belvidere – 83 chemicals listed
 - 205 Macks Island Drive – 86 chemicals listed
- Submitted Annual Recycling Reports to Belvidere and White Township
 - Belvidere 53.08 tons
 - White Township – 494.36 tons

B Allen Q: Do we reimburse for cardboard?

A. Tynan A: We get a small credit from Sanico but not enough to offset the cost to recycle.

Development of cellulosic ethanol technology

Pieter Nelisse reviewed how cellulosic ethanol is made

- Fungal enzyme production
 - Production organism
 - Ingredients
 - Recipe
 - Fermentor
- Continue process development to bring costs down further
 - Strain development
 - Process development
 - Application development
- Prepare for customer application tests
- Prepare for large(r) scale production

General

- A tour of the Vitamin C Forms Building (B222) is planned for the next meeting.
- Education as it relates to the work force. M. Leslie questioned.
 - Does DSM find that it has to do on the job training to teach skills that new employees should have gained through the High School/College educational process?
 - Is DSM (staff from DSM) involved with any advisory committees for local high schools, colleges or the State of New Jersey Department of Education that develop the course content for courses such as Chemistry? Advisory committees could also advise the schools with the regard to skill sets and training that the prospective work force should have mastered.

NEXT MEETING

TUESDAY – May 25