State of Utah

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Department of
Environmental Quality

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Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-IN0116520002-11

June 2, 2011

John Frankenberger
The Dannon Company Incorporated
6165 West Dannon Way
West Jordan, UT 84088

Dear Mr. Frankenberger:

Re: Intent to Approve: Modification to DAQE-AN0116520001-07 by Adding Equipment
Project Number: N011652-0002

The attached document is the Intent to Approve for the above-referenced project. The Intent to Approve is subject to public review. Any comments received shall be considered before an Approval Order is issued. The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an Approval Order. An invoice will follow upon issuance of the final Approval Order.

Future correspondence on this Intent to Approve should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. The project engineer for this action is Tim DeJulis, who may be reached at (801) 536-4012.

Sincerely,

Timothy R. Andrus, Manager
New Source Review Section

TRA:TDJ:kw

cc: Salt Lake Valley Health Department

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

INTENT TO APPROVE: Modification to DAQE-AN0116520001-07 by Adding Equipment

Prepared by: Tim DeJulis, Engineer
Phone: (801) 536-4012
Email: tdejulis@utah.gov

INTENT TO APPROVE NUMBER

DAQE-IN0116520002-11

Date: June 2, 2011

The Dannon Company Incorporated
West Jordan Dairy Food Processing Plant

Source Contact:
Mr. John Frankenberger, Environmental Coordinator
Phone: (801) 282-6162

Timothy R. Andrus, Manager
New Source Review Section
Utah Division of Air Quality

ABSTRACT

The Dannon Company, Incorporated (Dannon), owner and operator of the food processing plant in West Jordan, Salt Lake County, has asked to install one additional emergency power generator engine. The engine is rated at 563 kW (755 hp).

Salt Lake County is a nonattainment area of the NAAQS for PM_{10}, PM 2.5, and SO_2, and is a maintenance area for ozone. NESHAP regulations and Title V of the 1990 Clean Air Act do not apply to this source. NSPS and MACT regulations apply to this source.

The emissions, in TPY, will change as follows:
PM_{10} (+ 0.05), $PM_{2.5}$ (+ 0.05), NO_x (+ 1.81), CO (+ 0.42), VOC (+0.05), HAPs (+ 0.11)

The potential to emit totals, in TPY are as follows:
PM_{10} = 1.78, $PM_{2.5}$ = 1.78, NO_x = 23.25, SO_2 = 0.14, CO = 19.61, VOC = 1.28, HAPs = 0.29, CO_2e = 28,028

$PM_{2.5}$ is a subset of PM_{10}.

The NOI for the above-referenced project has been evaluated and has been found to be consistent with the requirements of UAC R307. Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an AO by the Executive Secretary of the Utah Air Quality Board.

A 30-day public comment period will be held in accordance with UAC R307-401-7. A notification of the intent to approve will be published in the Salt Lake Tribune and Deseret News on June 6, 2011. During the public comment period the proposal and the evaluation of its impact on air quality will be available for the public to review and provide comment. If anyone so requests a public hearing within 15 days of publication, it will be held in accordance with UAC R307-401-7. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated. The proposed conditions of the AO may be changed as a result of the comments received.

Name of Permittee:	**Permitted Location:**
The Dannon Company Incorporated 6165 West Dannon Way West Jordan, UT 84088	West Jordan Dairy Food Processing Plant 6165 West Dannon Way (9280 S) West Jordan, UT 84088

UTM coordinates: 412,460 m Easting, 4,492,270 m Northing, UTM Zone 12
SIC code: 5143 (Dairy Products, Except Dried or Canned)

Section I: GENERAL PROVISIONS

I.1 All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]

I.2 The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]

I.3 Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]

I.4 All records referenced in this AO or in other applicable rules, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request, and the records shall include the two-year period prior to the date of the request. Unless otherwise specified in this AO or in other applicable state and federal rules, records shall be kept for a minimum of two (2) years. [R307-401-8]

I.5 At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]

I.6 The owner/operator shall comply with UAC R307-107. General Requirements: Unavoidable Breakdowns. [R307-107]

I.7 The owner/operator shall comply with UAC R307-150 Series. Inventories, Testing and Monitoring. [R307-150]

Section II: SPECIAL PROVISIONS

II.A The approved installations shall consist of the following equipment:

II.A.1 **West Jordan Plant**
Dairy Food Processing Plant

II.A.2 **Boilers**
Two (2) rated at 16.738 MMBtu/hr - each
One (1) rated at 20.9 MMBtu/hr
Fuel: natural gas

II.A.3 **Dust Collector**
One (1) cartridge filter baghouse - vented to the production building

For information purposes.

II.A.4 **Emergency Generator Engines**
One (1) rated at 125 kW
Fuel: natural gas

One (1) rated at 563 kW
Fuel: diesel or fuel oil

II.B Requirements and Limitations

II.B.1 **<u>The West Jordan Dairy Food Processing Plant shall be subject to the following</u>**

II.B.1.a Visible emissions from any stationary point or fugitive emission source associated with the source or with the control facilities shall not exceed:

All boilers - 10% opacity
The 125 kW generator engine - 10% opacity
All other points - 20% opacity

Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. [R307-401-8]

II.B.1.b The emergency generators shall be used for electricity-producing operations only during the periods when electric power from the public utilities is interrupted, or for regular maintenance of the generators. Records documenting generator usage shall be kept in a log and they shall show the date the generator was used, the duration in hours of the generator usage, and the reason for each generator usage. [R307-401-8]

II.B.1.c The sulfur content of any fuel oil burned shall not exceed:

0.0015 percent by weight for fuel oils consumed in any equipment.

The sulfur content shall be determined by ASTM Method D-4294-89 or approved equivalent. Certification of other fuels shall be either by Dannons own testing or test reports from the fuel marketer. [R307-401-8]

<u>Section III: APPLICABLE FEDERAL REQUIREMENTS</u>

In addition to the requirements of this AO, all applicable provisions of the following federal programs have been found to apply to this installation. This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including UAC R307.

MACT (Part 63), ZZZZ: Recipro. Int. Comb Engine (RICE)
NSPS (Part 60), Dc: Small Indus Com InstitnSteamGenratr
MACT (Part 63), A: General Provisions
NSPS (Part 60), IIII: Stationary Comp/Ignit R.I.C.E
NSPS (Part 60), A: General Provisions

PERMIT HISTORY

The final AO will be based on the following documents:

Incorporates	Additional information dated April 11, 2011
Incorporates	Additional information dated March 10, 2011
Incorporates	Additional information dated February 2, 2011
Is Derived From	NOI dated January 19, 2011
Supersedes	DAQE-AN0116520001-07 dated June 8, 2007

ADMINISTRATIVE CODING

The following information is for UDAQ internal classification use only:

Salt Lake County
CDS B
MACT (Part 63), NSPS (Part 60), Nonattainment or Maintenance Area

ACRONYMS

The following lists commonly used acronyms and associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by EPA to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CO	Carbon monoxide
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent - 40 CFR Part 98, Subpart A, Table A-1
COM	Continuous opacity monitor
DAQ	Division of Air Quality (typically interchangeable with UDAQ)
DAQE	This is a document tracking code for internal UDAQ use
EPA	Environmental Protection Agency
GHG	Greenhouse Gas(es) - 40 CFR 52.21 (b)(49)(i)
GWP	Global Warming Potential - 40 CFR Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/HR	Pounds per hour
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO_x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM_{10}	Particulate matter less than 10 microns in size
$PM_{2.5}$	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO_2	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
TPY	Tons per year
UAC	Utah Administrative Code
UDAQ	Utah Division of Air Quality (typically interchangeable with DAQ)
VOC	Volatile organic compounds