



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502
August 5, 2002

Dirk Kempthorne, Governor
C. Stephen Allred, Director

CERTIFIED MAIL # 7000 0520 0016 0850 8859

Mr. Brett Suthers
Process Engineer
Nonpareil Corp.
40 N. 400 W. Groveland
Blackfoot, ID 83221

RE: AIRS Facility No. 011-00027, Nonpareil Corp., Blackfoot
(Final Tier II Operating Permit)

Dear Mr. Suthers:

The Department of Environmental Quality (Department) is issuing Tier II operating permit number 011-00027 for Nonpareil facility located in Blackfoot, in accordance with IDAPA 58.01.01.400 through 406, *Rules for the Control of Air Pollution in Idaho (Rules)*.

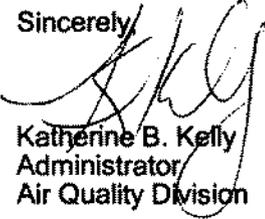
The enclosed Tier II operating permit is based on the information contained in your permit application and on the relevant comments received during the public comment period. This Tier II permit is effective immediately. Modification to and/or renewal of this Tier II permit shall be requested in a timely manner in accordance with the *Rules*.

Tiffany Floyd, of the Pocatello Regional Office will contact you regarding a meeting with the Department to discuss the permit terms and requirements. The Department recommends attendance of your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to IDAPA 58.01.23 (*Rules of Administrative Procedure Before the Board of Environmental Quality*). A petition may be filed with the Hearings Coordinator, Department of Environmental Quality, 1410 N. Hilton, Boise, ID 83706-1255, within 35 days of the date of this decision. However, the Department encourages you to contact us to discuss any concerns you may have with the enclosed permit prior to filing a petition for a contested case.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Mike Simon at (208) 373-0502 or msimon@deq.state.id.us.

Sincerely,


Katherine B. Kelly
Administrator
Air Quality Division

KK/CZ/sm T2-9811-169-2 G:\AIR PERMITS\T2\NONPAREIL\FINAL PREP\T2-9811-169-2 NONPAREIL FINAL PERMIT LTR.DOC

Enclosure

CC: Tiffany Floyd, Pocatello Regional Office
Sherry Davis, Technical Services
Laurie Kral, EPA Region 10



**Air Quality
TIER II OPERATING PERMIT**

State of Idaho
Department of Environmental Quality

PERMIT NO.: 011-00027

AQCR: 61 CLASS: SM

SIC: 2034 ZONE: 12

UTM COORDINATE (km): 388 , 4784

1. PERMITTEE
Nonpareil Corp.

2. PROJECT
Tier II operating permit

3. MAILING ADDRESS 40 N. 400 W. Groveland	CITY Blackfoot	STATE ID	ZIP 83221
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4. FACILITY CONTACT Brett Suthers	TITLE Engineering Manager	TELEPHONE (208) 785-5880
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5. RESPONSIBLE OFFICIAL Walter Gay	TITLE Vice President, Operations	TELEPHONE (208) 785-5880
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6. EXACT PLANT LOCATION Due west of Blackfoot 3/4 of a mile	COUNTY Bingham
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7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Dehydrated potatoes

8. PERMIT AUTHORITY

This permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.400, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered modifications. Modifications are subject to Department review in accordance with IDAPA 58.01.01.200 of the *Rules for the Control of Air Pollution in Idaho*.

KATHERINE B. KELLY, ADMINISTRATOR, AIR QUALITY DIVISION
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED: August 5, 2002

DATE EXPIRES: August 5, 2007

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LIST OF ACRONYMS

AQCR	Air Quality Control Region
cfm	cubic feet per minute
CO	carbon monoxide
Department	Department of Environmental Quality
gr/dscf	grains per dry standard cubic feet (1 lb = 7,000 grains)
EPA	Environmental Protection Agency
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/d	pound per day
lb/hr	pound per hour
MMBtu/hr	million British thermal units per hour
NO _x	nitrogen oxides
NSPS	New Source Performance Standards
O&M	Operations & Maintenance
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
PTE	potential to emit
SIC	Standard Industrial Classification
SO ₂	sulfur dioxide
T/yr	tons per year
UTM	Universal Transverse Mercator
VOC	volatile organic compound

AIR QUALITY TIER II OPERATING PERMIT NUMBER: 011-00027

Permittee: Nonpareil Corp.
Location: Blackfoot, Idaho

Date Issued: August 5, 2002
Date Expires: August 5, 2007

1. TIER II OPERATING PERMIT SCOPE

Purpose

- 1.1 The purpose of this permit is to establish federally enforceable limits to exempt the facility from major source requirements, and to demonstrate the facility's compliance with ambient air quality standards for criteria pollutants.
- 1.2 This is the first air quality permit issued by the Department for this facility and does not incorporate any other permits.

Regulated Sources

- 1.3 Table 1.1 below lists all sources of emissions that are regulated in this Tier II operating permit.

Table 1.1 EMISSIONS SOURCES

Permit Section	Source Description	Control Device
2 & 3	East boiler, Erie City, SA60H-21, 40.5 MMBtu/hr - Natural gas	
2 & 3	West boiler, Erie City, SA60H-21, 40.5 MMBtu/hr - Natural gas	
2 & 4	Starch dryer, Maxon 445, 4.2 MMBtu/hr & 1,135 lb/hr output	
2 & 4	SCRATCH-MASH DRYERS, MAXON 500/CARRIER, 5.5 MMBTU/HR AND 1,800 LB/HR OUTPUT	
2 & 5	Scratch-mash material transfer	Scratch-mash baghouse, Mikropulsaire, 36 bag, 2,500 cfm
2	Scratch-mash air makeup, Hartzell, 5 MMBtu/hr	
2	Reblend-room air makeup, Hartzell, 1 MMBtu/hr	
2	Building No. 3 air makeup, Hartzell, 3 MMBtu/hr	
2	Building No. 4 air makeup, Hartzell, 10 MMBtu/hr	
2 & 5	Processing peeler exhaust, Odenburg, 5,000 lb/hr output	
2 & 5	Flaker No. 1, Blau-Knox, 1,250 lb/hr output	
2 & 5	Flaker No. 2, Blau-Knox, 1,250 lb/hr output	
2 & 5	Flaker No. 3, Blau-Knox, 1,000 lb/hr output	
2 & 5	Flaker No. 4, Blau-Knox, 1,000 lb/hr output	
2 & 5	Flaker No. 5, Blau-Knox, 1,000 lb/hr output	
2 & 5	Grinding circuit No. 1 material transfer	GRINDING CIRCUIT NO. 1 BAGHOUSE, MIKROPULSAIRE,
2 & 5	Starch plant material transfer	Starch plant baghouse, Mikropulsaire, 72 bag, 5,000 cfm
2 & 5	Grinding circuit No. 2 material transfer	Grinding circuit No. 2 baghouse, Mikropulsaire, 48 bag, 3,360 cfm
2 & 5	Flake material transfer	Flake baghouse, Mikropulsaire, 100 bag, 7,000 cfm
2	DEHYDRATION NORTH BOILER, HIGHLANDER 250-3, 10.5	
2	Dehydration south boiler, Highlander 200-111, 8.4 MMBtu/hr	
2 & 4	Dehydration air dryer No. 1 A Stage, Proctor, 6.4 MMBtu/hr, 1,000 lb/hr output	

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2 & 4	Dehydration air dryer No. 1 B & C Stage, Proctor, 2.8 MMBtu/hr, 1,000 lb/hr output	
2 & 4	Dehydration air dryer No. 2 A Stage, Proctor, 6.4 MMBtu/hr, 1,000 lb/hr output	
2 & 4	Dehydration air dryer No. 2 B & C Stage, Proctor, 2.8 MMBtu/hr, 1,000 lb/hr output	
2 & 4	Dehydration air dryer No. 3 A stage, Proctor, 6.4 MMBtu/hr, 1,000 lb/hr output	
2 & 4	Dehydration air dryer No. 3 B & C stage, Proctor, 2.8 MMBtu/hr, 1,000 lb/hr output	
2 & 4	Dehydration air dryer No. 4 A stage, Proctor, 4.77 MMBtu/hr, 750 lb/hr output	
2 & 4	Dehydration air dryer No. 4 B stage, Proctor, 0.33 MMBtu/hr, 750 lb/hr output	
2 & 4	Dehydration air dryer No. 4 C stage, Proctor, 0.3 MMBtu/hr, 750 lb/hr output	
2 & 4	Dehydration air dryer No. 5 A stage, National, 10.4 MMBtu/hr, 1,200 lb/hr output	
2 & 4	Dehydration air dryer No. 5 B stage, National, 3.2 MMBtu/hr, 1,200 lb/hr output	
2 & 4	Dehydration air dryer No. 5 C stage, National, 3.3 MMBtu/hr, 1,200 lb/hr output	
2 & 4	Dehydration bin dryer, Nonpareil, 1,000 lb/hr output, heat from steam	
2	WET AREA AIR MAKEUP, HARTZELL, 3.5 MMBTU/HR	
2	South dryer room air makeup, Hartzell, 5 MMBtu/hr	
2	SOUTH DRYER ROOM ROOF AIR MAKEUP, HARTZELL, 5 MMBTU/HR	
2	Inspection room roof air makeup, Hartzell, 3.5 MMBtu/hr	
2 & 4	Dehydration research dryer, Carrier, 0.88 MMBtu/hr, 125 lb/hr output	
2 & 5	Packaging material transfer	PACKAGING BAGHOUSE NO. 1, MIKROPULSAIRE, 9 BAG, 630
2 & 5	Packaging material transfer	Packaging baghouse No. 2, Mikropulsaire, 25 bag, 1,750 cfm
2 & 5	Crush-room material transfer	Crush-room baghouse No. 1, Mikropulsaire, 9 bag, 630 cfm
2 & 5	Crush-room material transfer	Crush-room baghouse No. 2, Mikropulsaire, 25 bag, 1,750 cfm
2 & 5	Dehydration steam peeler, Odenberg, 5,000 lb/hr output	

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Permittee: Nonpareil Corp.
 Location: Blackfoot, Idaho

Date Issued: August 5, 2002
 Date Expires: August 5, 2007

2. FACILITY-WIDE CONDITIONS

The following table contains a summary of selected requirements that apply to emissions units at the facility:

Table 2.1 SELECTED REQUIREMENTS SUMMARY

Permit Condition	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring & Recordkeeping Requirements
2.1	Fugitive emissions	Reasonable control	IDAPA 58.01.01.650-651	2.2 and 2.3
2.4	Odors	Reasonable control	IDAPA 58.01.01.775	2.5
2.6	Opacity	Less than 20%	IDAPA 58.01.01.625	2.12
2.9	Fire	Open burning	IDAPA 58.01.01.600	2.9
2.10	Fuel burning	0.015 gr/dscf	IDAPA 58.01.01.676	3.5, 4.5
2.11	Process weight	Equation	IDAPA 58.01.01.701-702	
4.4	Daily and annual throughput	Varies, see Table 4.1	IDAPA 58.01.01.405.01	4.5
5.5	Daily and annual throughput	Varies, see Table 4.1	IDAPA 58.01.01.405.01	5.7
5.6	Baghouse pressure drop	Record once per week	IDAPA 58.01.01.405.01	5.6

gr/dscf - grains per dry standard cubic foot

Facility Emissions

- 2.1 All reasonable precautions shall be taken to prevent particulate matter from becoming airborne in accordance with IDAPA 58.01.01.650-651. [IDAPA 58.01.01.650-651, 5/1/94]
- 2.2 Unless specified elsewhere in this permit, the permittee shall monitor and maintain records of the frequency and method(s) used (i.e., water, chemical dust suppressants, etc.) to reasonably control fugitive emissions. [IDAPA 58.01.01.405.01, 07, 5/1/94]
- 2.3 Unless specified elsewhere in this permit, the permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken. [IDAPA 58.01.01.405.01, 07, 5/1/94]

Odors

- 2.4 No person shall allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution. [IDAPA 58.01.01.775-776, 5/1/94]
- 2.5 Unless specified elsewhere in this permit, the permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date each complaint was received and a

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description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

[IDAPA 58.01.01.405.01, 07 (state-only), 5/1/94]

Visible Emissions

- 2.6 No person shall discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, nitrogen oxides, and/or chlorine gas are the only reason(s) for the failure of the emission to comply with the requirements of this section.

[IDAPA 58.01.01.625, 5/1/94]

Excess Emissions

- 2.7 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions.

[IDAPA 58.01.01.130, 4/5/00]

Reports and Certifications

- 2.8 Any reporting required by this permit, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete. Any reporting required by this permit shall be submitted to the following:

Air Quality Permit Compliance
Department of Environmental Quality
Pocatello Regional Office
224 S. Arthur Ave.
Pocatello, ID 83204

[IDAPA 58.01.01.405.01, 11, 5/1/94]

Open Burning

- 2.9 The permittee shall comply with the requirements of IDAPA 58.01.01.600-616, *Rules for Control of Open Burning*.

[IDAPA 58.01.01.600-616, 5/1/94]

Fuel-burning Equipment

- 2.10 The permittee shall not discharge to the atmosphere from any fuel-burning equipment PM in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas.

[IDAPA 58.01.01.676-677, 5/1/94]

Process Weight Limitations

- 2.11 The permittee shall not emit PM to the atmosphere from any process or process equipment in excess of the amount shown by the equations in IDAPA 58.01.01.701 or 702, whichever is applicable.

[IDAPA 58.01.01.701-702, 4/5/00]

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Monitoring and Recordkeeping Requirements

2.12 Visible Emissions Monitoring

Unless specified elsewhere in this permit, the permittee shall conduct monthly facility-wide inspection of potential sources of visible emissions during daylight hours and under normal operating conditions. The visible emissions inspection shall consist of a see/no see evaluation for each potential source. If any visible emissions are present from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. A minimum of 30 observations shall be recorded when conducting the opacity test. If opacity is greater than 20% for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance in its annual compliance certification and in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each monthly visible emission inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

[IDAPA 58.01.01.405.01, 5/1/94]

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Location: Blackfoot, Idaho

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3. EAST AND WEST PROCESSING BOILERS

3.1 Process Description

The primary purpose of the east and west processing boilers is to provide steam for processes. These boilers each have a design capacity of 40.5 MMBtu/hr. The boilers were manufactured by Erie City in 1961 and 1962. The boilers were relocated, but not modified, in 1990 and 1992. Therefore, NSPS is not applicable to the boilers.

3.2 Control Description

The emissions from the boilers are uncontrolled.

Emissions Limits

3.3 Emissions Limits

The PM₁₀ emissions from the processing east and west boiler stacks shall not exceed any corresponding emissions rate limits listed in Appendix A of this permit.

[IDAPA 58.01.01.403.02, 5/1/94]

Operating Requirements

3.4 Fuel Type Limit

The east and west boilers shall be fueled exclusively on natural gas. The processing east and west boilers shall be rendered inoperable on fuel oil within 60 days of permit issuance.

[IDAPA 58.01.01.403.02, 5/1/94]

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Location: Blackfoot, Idaho

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4. DRYERS

4.1 Process Description

The following process description is for Sections 4 and 5 of this permit.

Potato material is transferred from one process to another pneumatically. Baghouses are used to control particulate emissions from these processes. A list of the processes and the corresponding baghouses is shown in Table 1.1.

The flake line uses a processing peeler to peel potatoes. The potatoes are then processed and sent to the flakers. The potato material is then conveyed to grinding circuits No. 1 and No. 2. The material is then conveyed to the scratch-mash line, which consists of scratch-mash dryers and a scratch-mash baghouse. The starch line processes uncooked potato starch from the dehydration line and the flake line. The starch line emission sources are the starch dryer and the starch baghouse.

The dehydrated piece line cuts and dries potatoes using a steam peeler, five dryers with three stages each, and a bin dryer.

The crush line grinds off-spec potato material. Emission sources are through two crush-room baghouses.

The research and development line consists of a small processing line similar to the scratch-mash processing line. The emissions from the dehydration research dryer are ducted through a cyclone.

This section of the permit regulates the dryers, which have emissions from both fuel burning and potato particulate.

4.2 Control Description

The emissions from the dryers are uncontrolled.

Emissions Limits

4.3 Emissions Limits

The PM₁₀ emissions from any stack or dryer listed in Appendix A shall not exceed the corresponding emissions rate limits listed in Appendix A of this permit.

[IDAPA 58.01.01.403.02, 5/1/94]

Operating Requirements

4.4 Throughput Limits

The maximum daily throughput of potato material on a dry basis for each process identified in Table 4.1 shall not exceed the corresponding daily limits listed in Table 4.1. Daily throughput data shall be compiled monthly. The maximum annual throughput of potato material on a dry basis for each process identified in Table 4.1 shall not exceed the corresponding annual limits listed in Table 4.1 in any consecutive 12-month period.

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Table 4.1 ANNUAL LIMITS

Source Description	Throughput Limit Tons per Day	Throughput Limit Tons per Year
Starch dryer, Maxon 445	13.6	4,971
Scratch-mash dryers, Maxon 500/Carrier	21.6	7,884
Dehydration air dryer No. 1 A stage, Proctor	12	4,380
Dehydration air dryer No. 1 B & C stage, Proctor	12	4,380
Dehydration air dryer No. 2 A stage, Proctor	12	4,380
Dehydration air dryer No. 2 B & C stage, Proctor	12	4,380
Dehydration air dryer No. 3 A stage, Proctor	12	4,380
Dehydration air dryer No. 3 B & C stage, Proctor	12	4,380
Dehydration air dryer No. 4 A stage, Proctor	9	3,285
Dehydration air dryer No. 4 B stage, Proctor	9	3,285
Dehydration air dryer No. 4 C stage, Proctor	9	3,285
Dehydration air dryer No. 5 A stage, National	14.4	5,256
Dehydration air dryer No. 5 B stage, National	14.4	5,256
Dehydration air dryer No. 5 C stage, National	14.4	5,256
Dehydration bin dryer, Nonpareil, heat from steam	12	4,380
Dehydration research dryer, Carrier	1.5	548

[IDAPA 58.01.01.405.01, 5/1/94]

Monitoring and Recordkeeping Requirements

4.5 Monitor Operating Parameters

The permittee shall monitor and record, when operating, the throughput on a dry basis of each of the sources listed in Table 4.1 in tons per day and tons per any consecutive 12-month period. A compilation of the most recent five years of records shall be kept onsite and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.405.01, 5/1/94]

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Location: Blackfoot, Idaho

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5. MATERIAL TRANSFER OPERATIONS, FLAKERS, AND PEELERS

5.1 Process Description

The process description is written in Section 4.1 of this permit.

This section regulates potato material transfer operations, flakers, and peelers, which have potato particulate emissions and no emissions from fuel combustion.

5.2 Control Description

Particulate emissions from the transfer operations are controlled by baghouses as listed in Table 1.1. All other emissions are uncontrolled.

Emissions Limits

5.3 Emissions Limits

The PM₁₀ emissions from any stack, baghouse, flaker, peeler, or cyclone listed in Appendix A shall not exceed the corresponding emissions rate limits listed in Appendix A of this permit.

[IDAPA 58.01.01.403.02, 5/1/94]

Operating Requirements

5.4 Throughput Limits

The maximum daily throughput of potato material on a dry basis for each process identified in Table 5.1 shall not exceed the corresponding daily limits listed in Table 5.1. Daily throughput data shall be compiled monthly. The maximum annual throughput of potato material on a dry basis for each process identified in Table 5.1 shall not exceed the corresponding annual limits listed in Table 5.1 in any consecutive 12-month period.

Table 5.1 ANNUAL LIMITS

Source Description	Throughput Limit Tons per Day	Throughput Limit Tons per Year
Processing peeler exhaust, Odenburg	60	21,900
Flaker Nos. 1 - 5, Blau-Knox	66	24,090
Dehydration steam peeler, Odenberg	60	21,900

[IDAPA 58.01.01.405.01, 5/1/94]

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5.5 Baghouse Use Requirement

The particulate emissions from each material transfer operation identified in Table 1.1 shall be controlled by the corresponding, properly operating, baghouse at all times while the material transfer process is in operation.

[IDAPA 58.01.01.405.01, 5/1/94]

5.6 Baghouse Pressure Drop

The permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer specifications, equipment to measure the pressure differential across each air pollution control device.

The pressure drop across each baghouse shall be maintained within manufacturer and Operation and Maintenance (O&M) manual specifications. Documentation of the operating pressure drop specifications for each baghouse shall remain onsite at all times and shall be made available to Department representatives upon request.

The pressure drop reading across each baghouse shall be monitored and recorded once per week when operating. A compilation of the most recent five years of records shall be kept onsite and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.405.01, 5/1/94]

Monitoring and Recordkeeping Requirements

5.7 Monitor Operating Parameters

The permittee shall monitor and record, when operating, the throughput on a dry basis of each of the sources listed in Table 5.1 in tons per day and tons per any consecutive 12-month period. A compilation of the most recent five years of records shall be kept onsite and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.405.01, 5/1/94]

5.8 Operations and Maintenance Manual Requirements

Within 60 days of final permit issuance, the permittee shall have developed an O&M manual for the following control devices: scratch-mash baghouse, grinding circuit No. 1 baghouse, starch-plant baghouse, grinding circuit No. 2 baghouse, flake baghouse, packaging baghouse No. 1, packaging baghouse No. 2, crush-room baghouse No. 1, and crush-room baghouse No. 2.

The manual shall describe the procedures that will be followed to comply with General Provision 2. The manual shall remain onsite at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.405.01, 5/1/94]

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 Location: Blackfoot, Idaho

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6. APPENDIX A – EMISSION LIMITS

Table 6.1 EMISSION LIMITS

Nonpareil, Blackfoot Permit Limits – Daily (lb/d) and Annual (T/yr)		
Source Description	PM ₁₀ ^a	PM _{2.5} ^a
	lb/d	T/yr
Processing east boiler	7.20	1.32
Processing west boiler	7.20	1.32
Starch dryer	8.88	1.60
Scratch-mash dryers	61.44	11.20
Scratch-mash baghouse	3.12	0.56
Scratch-mash air makeup	0.96	0.16
Reblend room air makeup	0.24	0.03
Building No. 3 air makeup	0.48	0.10
Building No. 4 air makeup	1.68	0.33
Processing peeler exhaust	3.84	0.70
Flaker Nos. 1 – 5	19.86	3.62
Grinding circuit No. 1 baghouse	3.12	0.56
Starch plant baghouse	6.24	1.13
Grinding circuit No. 2 baghouse	4.08	0.76
Flake baghouse	8.64	1.58
Dehydration north boiler	1.92	0.34
Dehydration south boiler	1.44	0.27
Dehydration air dryer No. 1 A stage	2.88	0.54
Dehydration air dryer No. 1 B & C stage	2.40	0.42
Dehydration air dryer No. 2 A stage	2.88	0.54
Dehydration air dryer No. 2 B & C stage	2.40	0.42
Dehydration air dryer No. 3 A stage	2.88	0.54
Dehydration air dryer No. 3 B & C stage	2.40	0.42
Dehydration air dryer No. 4 A stage	1.68	0.32
Dehydration air dryer No. 4 B stage	0.96	0.02
Dehydration air dryer No. 4 C stage	0.96	0.17
Dehydration air dryer No. 5 A stage	3.36	0.60
Dehydration air dryer No. 5 B stage	1.92	0.37
Dehydration air dryer No. 5 C stage	1.92	0.37
Dehydration bin dryer	18	3.28
Wet area air makeup	0.72	0.11
South dryer room air makeup	0.96	0.16
South dryer room roof air makeup	0.96	0.16
Inspection room roof air makeup	0.72	0.11
Dehydration research dryer	4.32	0.80
Packaging baghouse No. 1	0.72	0.14
Packaging baghouse No. 2	2.16	0.40
Crush-room baghouse No. 1	0.72	0.14
Crush-room baghouse No. 2	2.16	0.40
Dehydration steam peeler	3.84	0.70
Total	201	36.59

^a Includes condensable component
 lb/d – pounds per day
 T/yr – tons per year

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Permittee: Nonpareil Corp.
 Location: Blackfoot, Idaho

Date Issued: August 5, 2002
 Date Expires: August 5, 2007

7. APPENDIX B – EMISSION INVENTORY

The following table is an emissions summary only. Except where indicated in Appendix A, this emission summary table does not contain emissions limits.

Table 7.1 EMISSIONS SUMMARY

Nonpareil, Blackfoot Emissions Summary – Annual (T/yr), PTE					
Source Description	PM ₁₀ ^a	NO _x	CO	VOC	SO ₂
Processing east boiler	1.32	17.40	14.60	1.03	0.10
Processing west boiler	1.32	17.40	14.60	1.03	0.10
Starch dryer	1.60	1.80	1.52	0.147	0.01
Scratch-mash dryers	11.20	2.36	1.98	0.192	0.01
Scratch-mash baghouse	0.56				
Scratch-mash air makeup	0.16	2.15	1.80	0.172	0.01
Reblend room air makeup	0.03	0.43	0.36	0.035	0.00
Building No. 3 air makeup	0.10	1.29	1.08	0.344	0.01
Building No. 4 air makeup	0.33	4.29	3.61	0.105	0.03
Processing peeler exhaust	0.70				
Flaker Nos. 1 - 5	3.62				
Grinding circuit No. 1 baghouse	0.56				
Starch-plant baghouse	1.13				
Grinding circuit No. 2 baghouse	0.76				
Flake baghouse	1.58				
Dehydration north boiler	0.34	4.51	3.79	0.26	0.03
Dehydration south boiler	0.27	3.61	2.76	0.3	0.02
Dehydration air dryer No. 1 A stage	0.54	2.75	2.31	0.2	0.02
Dehydration air dryer No. 1 B & C stage	0.42	1.20	1.01	0.1	0.01
Dehydration air dryer No. 2 A stage	0.54	2.75	2.31	0.2	0.02
Dehydration air dryer No. 2 B & C stage	0.42	1.20	1.01	0.1	0.01
Dehydration air dryer No. 3 A stage	0.54	2.75	2.31	0.2	0.02
Dehydration air dryer No. 3 B & C stage	0.42	1.20	1.01	0.1	0.01
Dehydration air dryer No. 4 A stage	0.32	2.05	1.72	0.2	0.01
Dehydration air dryer No. 4 B stage	0.02	0.14	0.12	0.011	0.00
Dehydration air dryer No. 4 C stage	0.17	0.13	0.11	0.01	0.00
Dehydration air dryer No. 5 A stage	0.60	4.47	3.75	0.3	0.03
Dehydration air dryer No. 5 B stage	0.37	1.38	1.16	0.1	0.01
Dehydration air dryer No. 5 C stage	0.37	1.42	1.19	0.1	0.01
Dehydration bin dryer	3.28				
Wet area air makeup	0.11	1.50	1.26	0.1	0.01
South dryer room air makeup	0.16	2.15	1.80	0.2	0.01
South dryer room roof air makeup	0.16	2.15	1.80	0.2	0.01
Inspection room roof air makeup	0.11	1.50	1.26	0.1	0.01
Dehydration research dryer	0.80	0.378	0.32	0.01	0.00
Packaging baghouse No. 1	0.14				
Packaging baghouse No. 2	0.40				
Crush-room baghouse No. 1	0.14				
Crush-room baghouse No. 2	0.40				
Dehydration steam peeler	0.70				
Total	36.59	84.53	70.96	5.846	0.51

^a Includes condensable components

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8. TIER II PERMIT GENERAL PROVISIONS

1. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code §39-101 et seq.
2. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
3. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA procedures when deemed appropriate by the Director.
4. Except for data determined to be confidential under Section 9-342A *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
5. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
6. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter; a copy of which shall be forwarded to the Director.
7. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
8. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
9. Performance tests (i.e.; air emissions source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 58.01.01.157. Such testing shall not be conducted on weekends or state holidays unless the permittee obtains prior Department approval.

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The permittee shall submit to the Department for approval a proposed test date for each performance test required by this permit at least 15 days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five workdays advanced notice prior to conducting any rescheduled test, unless the Department approves a shorter notice period.

Within 30 days of the date on which a performance test required by this permit is concluded, the permittee shall submit to the Department a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the average operating rate attained during the most recent performance test conducted pursuant to this permit, for which a test protocol has been granted prior approval by the Department, which demonstrated compliance with the respective pollutant emission limit unless; (1) a more restrictive operating limit is specified elsewhere in this permit or; (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

10. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.