



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706 • (208) 373-0502

C.L. "Butch" Otter, Governor
Toni Hardesty, Director

September 18, 2008

Certified Mail No. 7190 0596 0014 0000 3478

Rockie Walker, Maintenance Supervisor/Purchasing
QB Corporation
1420 Highway 28
Salmon, Idaho 83467-9712

RE: Facility ID No. 059-00008, QB Corporation, Salmon
Final Permit Letter

Dear Mr. Walker:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2007.0231 to QB Corporation for the modification of the existing permit to include cyclones, target box, and changes to the existing wood-fired boiler located at Salmon, in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho).

This permit is based on your permit application received on December 12, 2007, and subsequent addendums to that application. This permit is effective immediately and replaces PTC No. 059-00008, issued on August 12, 1998, the terms and conditions of which no longer apply. This permit does not release QB Corporation from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

Pursuant to General Provision 5 of your permit, it is required that Construction and Operation Notification be provided. Please provide this information as listed to DEQ's Idaho Falls Regional Office, 900 N. Skyline, Suite B, Idaho Falls, ID 83402, Fax (208) 528-2695.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Maria Miles, Air Quality Analyst, at (208) 528-2650 to review and discuss the terms and conditions of this permit. Should you choose to schedule this meeting, DEQ recommends the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any other staff responsible for day-to-day compliance with permit conditions.

QB Corporation, Salmon
September 18, 2008
Page 2 of 2

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to contact Almer Casile at (208) 373-0502 or almer.casile@deq.idaho.gov to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in black ink that reads "Bill Rogers" in a cursive style, followed by a horizontal line extending to the right.

Mike Simon
Stationary Source Program Manager
Air Quality Division

MS\AC\hp

Project No. P-2007.0231

Enclosures



**Air Quality
PERMIT TO CONSTRUCT
State of Idaho
Department of Environmental Quality**

PERMIT No.: P-2007.0231
FACILITY ID No.: 059-00008
AQCR: 063 **CLASS:** B
SIC: 2439 **ZONE:** 12
UTM COORDINATE (km): 290.2, 4989,4

1. PERMITTEE
QB Corporation

2. PROJECT
PTC Modification, Installation of Cyclones and Target Box, and Changes to the Existing Wood-Fired Boiler

3. MAILING ADDRESS 1420 Hwy 28	CITY Salmon	STATE ID	ZIP 83467
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4. FACILITY CONTACT Rockie L. Walker	TITLE Maintenance Supervisor Purchasing	TELEPHONE (208) 756-2612
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5. RESPONSIBLE OFFICIAL Rockie L. Walker	TITLE Maintenance Supervisor Purchasing	TELEPHONE (208) 756-2612
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6. EXACT PLANT LOCATION Mile marker 121 on State Highway 28	COUNTY Lemhi
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7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Produces laminated beams, trusses, and arches from dimensional lumber

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.200 through 228, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be constructed or modified by this permit.

This permit (a) does not affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (c) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (d) in no manner implies or suggests that the Department of Environmental Quality (DEQ) or its officers, agents, or employees, assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment.

This permit will expire if construction has not begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented with its application. Changes in design, equipment or operations may be considered a modification. Modifications are subject to DEQ review in accordance with IDAPA 58.01.01.200 through 228 of the Rules for the Control of Air Pollution in Idaho.

ALMER CASILE, PERMIT WRITER
DEPARTMENT OF ENVIRONMENTAL QUALITY

MIKE SIMON, STATIONARY SOURCE PROGRAM MANAGER
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE MODIFIED/REVISED:	September 18, 2008
DATE ISSUED:	August 12, 1998

Table of Contents

ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE	3
1. PERMIT TO CONSTRUCT SCOPE.....	4
2. WOOD FIRED BOILER.....	5
3. DRYING KILN.....	10
4. CYCLONES & TARGET BOX.....	12
3. PERMIT TO CONSTRUCT GENERAL PROVISIONS	15

Acronyms, Units, and Chemical Nomenclature

acfm	actual cubic feet per minute
AFS	AIRS Facility Subsystem
AIRS	Aerometric Information Retrieval System
AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
Brdft	Board Feet
Btu	British thermal unit
CAA	Clean Air Act
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
gpm	gallons per minute
gr	grain (1 lb = 7,000 grains)
HAP	hazardous air pollutant
hp	horsepower
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/hr	pounds per hour
m	meter(s)
MACT	Maximum Achievable Control Technology
MMBtu	million British thermal units
MMlbs/yr	million pounds per year
NESHAP	Nation Emission Standards for Hazardous Air Pollutants
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
NSPS	New Source Performance Standards
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
ppm	parts per million
PSD	Prevention of Significant Deterioration
PTC	permit to construct
PTE	potential to emit
scf	standard cubic feet
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SM	synthetic minor
SO ₂	sulfur dioxide
SO _x	sulfur oxides
T/yr	tons per year
TAP	toxic air pollutant
µg/m ³	micrograms per cubic meter
UTM	Universal Transverse Mercator
VOC	volatile organic compound

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee: QB Corporation

Location: Salmon, Idaho

Facility ID No. 059-00008

1. PERMIT TO CONSTRUCT SCOPE

Purpose

- 1.1 This permitting action involves the modification of the existing permit to include emissions from of the facility's drying kiln, cyclones and target box, and changes to the existing wood-fired boiler.
- 1.2 Those permit conditions that have been modified or revised by this permitting action are identified by a date citation located directly under the permit condition and on the right hand margin.
- 1.3 This PTC replaces PTC No. 059-00008, issued on August 12, 1998, the terms and conditions of which shall no longer apply.

[September 18, 2008]

Regulated Sources

- 1.4 Table 1.1 lists all sources of regulated emissions in this PTC.

Table 1.1 SUMMARY OF REGULATED SOURCES

Permit Section	Source Description	Emissions Control(s)
2	Wood-Fired Boiler	12-tube Zurn Multi-Tube Collector
3	Drying Kiln	None
4	Cyclones & Target Box	None

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee: QB Corporation
Location: Salmon, Idaho

Facility ID No. 059-00008

2. WOOD FIRED BOILER

2.1 Process Description

The wood-fired boiler provides space heat for the facility and heat for the drying kiln

2.2 Emissions Control Description

Table 2.1 WOOD-FIRED BOILER DESCRIPTION

Emissions Unit / Process	Emissions Control Device	Emissions Point
Wood-Fired Boiler	12-tube Zurn Multi-Tube Collector	Stack

Emissions Limits

2.3 Emissions Limits

The PM₁₀ emissions from the wood-fired boiler stack shall not exceed any corresponding emissions rate limits listed in Table 2.2.

Table 2.2 WOOD-FIRED BOILER EMISSIONS LIMITS¹

Source Description	PM ₁₀ ²	
	lb/hr ³	T/yr ^{3,4}
Wood-Fired Boiler	3.53	10.76

- 1) In absence of any other creditable evidence, compliance is assured by complying with this permit's operating, monitoring and record keeping requirements.
- 2) Particulate matter with and aerodynamic diameter less than or equal to a nominal ten (10) micrometers including condensable particulate as defined in IDAPA 58.01.01.006.81.
- 3) As determined by source test methods prescribed by IDAPA 58.01.01.157.
- 4) Tons per consecutive 12-calendar month period.

[September 18, 2008]

2.4 Opacity Limit

Emissions from the wood-fired boiler stack, or any other stack, vent, or functionally equivalent opening associated with the boiler, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

Operating Requirements

2.5 Steam Output Limit

The wood-fired boiler shall not exceed any of the following:

- an annual output of 54.33 MMlbs/yr of steam;
- an hourly output of 8,910 lbs/hr of steam.

[September 18, 2008]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee: QB Corporation

Location: Salmon, Idaho

Facility ID No. 059-00008

2.6 Operations and Maintenance (O&M) Manual Requirements

The permittee shall maintain an O&M manual for the appropriate emissions control device for the boiler.

- After the initial O&M manual development, the permittee shall update the control device monitoring program in the O&M manual as necessary after each DEQ-approved performance test.
- The O&M manual shall address the operation, maintenance, and repair of applicable control device(s) for each source to ensure good working order and operation as efficiently as practicable. The manual shall include, at a minimum, a general description of the control device(s); normal operating conditions and procedures; startup, shutdown, and maintenance procedures; upset conditions and corrective action procedures; methods of preventing malfunctions; appropriate corrective actions to be taken; and provisions for annual inspections during planned maintenance outages.
- The O&M manual shall include a control device monitoring program that establishes control device operating parameters to be monitored, their acceptable operating ranges where applicable, corrective action levels, monitoring equipment and procedures, monitoring frequency, and frequency of recordkeeping. The monitoring parameters shall include, but are not limited to, any specific control device monitoring parameter(s) required under any permit condition in this permit, unless DEQ approves their removal from this permit condition. The control device monitoring program shall be developed by the permittee based on performance test results, vendor data, and/or other supporting documentation.

[September 18, 2008]

2.7 Corrective Action

Whenever an operating parameter is outside the operating range specified by the control device monitoring program in the O&M manual, the permittee shall take corrective action as expeditiously as practicable to bring the operating parameter back within the operating range. Deviations from the operating range may not by themselves be considered deviations from applicable emissions standards, unless DEQ determines that the frequency, duration, or magnitude of the deviations indicates that additional action is required.

[September 18, 2008]

Monitoring and Recordkeeping Requirements

2.8 Monitoring Steam Output

The permittee shall monitor and record the hourly and annual steam output of the boiler to demonstrate compliance with Permit Condition 2.3. Records of this information shall be maintained on site for the most recent two-year period and shall be made available to DEQ representatives upon request.

[September 18, 2008]

2.9 Performance Test

Within 180 days of the notification required by General Provision 5 of the initial date of achieving the maximum production rate, a compliance test shall be conducted to demonstrate compliance with Permit Condition 2.3. Testing shall be conducted in accordance with IDAPA 58.01.01.157, and the following:

- Prior to conducting the test, the permittee shall address the required averaging period specified in accordance with IDAPA 58.01.01.679 and the altitude correction in IDAPA 58.01.01.680.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee:	QB Corporation
Location:	Salmon, Idaho

Facility ID No. 059-00008

- A visible emissions evaluation shall be performed during each compliance test. The visible emissions evaluation shall be conducted in accordance with the procedures contained in IDAPA 58.01.01.625.
- The permittee shall monitor and record the steam production rate of the boiler, fuel feed rate in tons per hour, and pressure drop across the multiclone during each test.
- For the fuel used during the source test, the permittee shall record the fuel's highest heating value and fuel's analysis result, including ash content.
- If the PM measured in the initial compliance test is less than or equal to 75% of the emission standard in Permit Condition 2.3, no further testing shall be required during this term of the permit. If the PM measured during the initial compliance test is greater than 75%, but less than or equal to 90%, of the emission standard in Permit Condition 2.3, a second test shall be required in the third year of the permit term. If the PM measured during the initial compliance test is greater than 90% of the emission standard in Permit Condition 2.3, the permittee shall conduct a compliance test annually.
- The permittee may establish new operating parameters by conducting a performance test that demonstrates compliance with Permit Condition 2.3 while operating at the alternative operating parameters. The performance test shall be conducted in accordance with the Test Methods and Procedures specified in the Rules (IDAPA 58.01.01.157) and in accordance with a DEQ-approved source test protocol. All operating parameters specified in this permit condition shall be continuously monitored and recorded during each test run. The permittee may request to operate outside of the operating ranges specified by the manufacturer during the performance test by submitting a written source protocol to DEQ for approval and requesting to operate under alternative operating parameters during the duration of the test. The protocol shall describe how the operating parameters will be monitored during the performance test. Once the source test is completed, the permittee may request in writing to operate in accordance with alternative operating parameters. The request shall include a source test report and justification for the alternative operating parameters. Upon receiving DEQ written approval of the source test and the requested alternative operating parameters, the permittee shall operate in accordance with those DEQ-approved alternative operating parameters. A copy of DEQ's approval shall be maintained on site with a copy of this permit.

[September 18, 2008]

2.10 Retention of O&M Manual

The O&M manual shall be maintained onsite and shall be made available to DEQ representatives upon request.

Reporting Requirements

2.11 40 CFR 60, Subpart Dc –Record and Maintain Records Of Fuels Combusted

In accordance with 40 CFR 60.48c(g)(2), the permittee shall record and maintain records of the amounts of each fuel combusted during each calendar month.

[September 18, 2008]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee:	QB Corporation
Location:	Salmon, Idaho

Facility ID No. 059-00008

2.12 40 CFR 60, Subpart Dc – Notification Requirements

In accordance with 40 CFR 60.48c(a), the permittee shall submit notification of the date of construction or reconstruction and actual startup of the boiler, as provided by 40 CFR 60.7 of this part. This notification shall include:

- In accordance with 40 CFR 60.48c(a)(1), date of construction or reconstruction:
- In accordance with 40 CFR 60.48c(a), date of anticipated startup:
- In accordance with 40 CFR 60.48c(a), date of actual startup:

[September 18, 2008]

2.13 40 CFR 60, Subpart Dc –Recordkeeping

In accordance with CFR 60.48c(i), the permittee shall maintain all records required under Permit Condition 2.11 for a period of two years following the date of such record.

[September 18, 2008]

2.14 40 CFR 60, Subpart Dc –Duration of Reporting Period

In accordance with CFR 60.48c(j), the reporting period for the reports required under Permit Conditions 3.8 and 3.9 is each six-month period. All reports shall be submitted to DEQ and shall be postmarked by the 30th day following the end of the reporting period.

[September 18, 2008]

2.15 NSPS Subpart A (40 CFR 60) Summary of General Provisions for Affected Facilities

Generally applicable reporting, record keeping and notification requirements of Subpart A of the New Source Performance Standards (NSPS, 40 CFR 60) are included in Table 2.3. These summaries are provided to highlight the notification and record keeping requirements of 40 CFR 60 for affected facilities, and are not intended to be a comprehensive listing of all general provisions requirements that may apply. Should there be a conflict between these summaries and the NSPS, the NSPS shall govern. The permittee is encouraged to read all of 40 CFR 60 Subpart A. The CFRs are available on-line at: <http://www.gpoaccess.gov/cfr/index.html>.

[September 18, 2008]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee:	QB Corporation	Facility ID No. 059-00008
Location:	Salmon, Idaho	

Table 2.3 NSPS SUBPART A (40 CFR 60) SUMMARY OF GENERAL PROVISIONS FOR AFFECTED FACILITIES

Section	Section Title	Summary of Section Requirements
60.4	Address	<p>All notifications and reports shall be submitted to:</p> <p>Pocatello Regional Office Department of Environmental Quality 444 Hospital Way, Suite 300 Pocatello, ID 83201 Phone: (208) 236-6160</p>
60.7(b),(c)(d) and (f)	Notification and Record Keeping	<ul style="list-style-type: none"> • Notification of commencement of construction postmarked no later than 30 days of such date. • Notification of startup postmarked within 15 days of such date. • Notification of physical or operational change that may increase emissions postmarked 60 days before the change is made. • Maintain records of the occurrence and duration of any: startup, shutdown or malfunction of the affected source; malfunction of air pollution control device; and any period when a continuous monitoring system or monitoring device is inoperative. • For affected units with continuous monitoring device requirements report excess emissions and monitoring system performance semiannually, postmarked by January 30th and July 30th (in the format required by NSPS). • Maintain in a permanent form records suitable for inspection of all measurements, system testing, performance measurements, calibration checks, and adjustments/maintenance performed. Records shall be maintained for a period of two years from the date the record is required to be generated by the applicable regulation. • CEMS record keeping requirements depending on whether data is automatically or manually recorded - 40 CFR 60.7(f).
60.11(a),(b),(c), (d) and (g)	Compliance with Standards and Maintenance Requirements	<ul style="list-style-type: none"> • Other than opacity standards, where performance tests are required compliance with standards is determined by methods and procedures established by 40 CFR 60.8. • Compliance with NSPS opacity standards shall be determined by Method 9 of Appendix A. The owner or operator may elect to use COM measurements in lieu of Method 9 provided notification is made at least 30 days before the performance test. • At all times, including periods of startup, shutdown, and malfunction to the extent practicable, the operator shall maintain and operate any affected facility and air pollution control equipment consistent with good air pollution control practices. • For the purposes of determining compliance with standards any creditable evidence may be used if the appropriate performance or compliance test procedure has been performed.
60.12	Circumvention	<p>No owner or operator shall build, erect, install or use any article or method, including dilution, to conceal an emission which would otherwise constitute a violation.</p>
60.14	Modification	<ul style="list-style-type: none"> • Physical or operational changes to source types that are regulated by a NSPS which result in an increase in hourly emissions to which a standard applies is considered a modification (unless expressly exempted the NSPS). Modified sources become subject to the NSPS standards • Note that in accordance with IDAPA 58.01.01.201 no owner or operator may commence a modification without first obtaining a permit to construct unless the modification is exempted from the need to obtain a permit in accordance with IDAPA 58.01.01.220-223.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee: QB Corporation
Location: Salmon, Idaho

Facility ID No. 059-00008

3. DRYING KILN

3.1 Process Description

The drying kiln is used to finish drying lumber that is too wet for processing. The drying kiln has a capacity of 30,000 board feet.

3.2 Emissions Control Description

Table 3.1 DRYING KILN DESCRIPTION

Emissions Unit / Process	Emissions Control Device	Emissions Point
Drying Kiln	N/A	Drying Kiln Vents

Emissions Limits

3.3 Emissions Limits

The PM₁₀ emissions from the drying kiln shall not exceed any corresponding emissions rate limits listed in Table 3.2.

Table 3.2 DRYING KILN EMISSIONS LIMITS

Source Description	PM ₁₀	
	lb/day	T/yr
Drying Kiln	0.96	0.19

[September 18, 2008]

3.4 Opacity Limit

Emissions from the kiln vents, or any other stack, vent, or functionally equivalent opening associated with the kiln, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

[September 18, 2008]

Operating Requirements

3.5 Kiln Throughput Limits

The kiln throughput shall not exceed the following:

- 2,000,000 Brdft/yr
- 5479.44 Brdft/day

[September 18, 2008]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee:	QB Corporation	Facility ID No. 059-00008
Location:	Salmon, Idaho	

Monitoring and Recordkeeping Requirements

3.6 Kiln Throughput Monitoring

The permittee shall monitor and record the hourly throughput, in Brdft/hr, and annual throughput, in Brdft/yr, of the kiln in order to demonstrate compliance with Permit Condition 3.3.

[September 18, 2008]

3.7 Visible Emissions Monitoring

The permittee shall conduct a monthly inspection of visible emissions from the drying kiln, 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 accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each visible emissions 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.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee:	QB Corporation	Facility ID No. 059-00008
Location:	Salmon, Idaho	

4. CYCLONES

4.1 Process Description

Nine cyclones pneumatically transfer wood waste from the sanding, planning, and trimming operations to their respective bins.

4.2 Emissions Control Description

Table 4.1 CYCLONES DESCRIPTION

Emissions Unit / Process	Emissions Control Device	Emissions Point
Cyclone 1	N/A	Cyclone 1 Stack
Cyclone 2	N/A	Cyclone 2 Stack
Cyclone 3	N/A	Cyclone 3 Stack
Cyclone 4	N/A	Cyclone 4 Stack
Cyclone 5	N/A	Cyclone 5 Stack
Cyclone 6	N/A	Cyclone 6 Stack
Cyclone 7	N/A	Cyclone 7 Stack
Cyclone 9	N/A	Cyclone 9 Stack
Cyclone 10	N/A	Cyclone 10 Stack

[September 18, 2008]

Emissions Limits

4.3 Emissions Limits

The PM₁₀ emissions from the cyclone stacks shall not exceed any corresponding emissions rate limits listed in Table 4.2.

Table 4.2 CYCLONES EMISSIONS LIMITS

Source Description	PM₁₀	
	lb/day	T/yr
Cyclone 1	44.16	3.38
Cyclone 2	47.76	4.13
Cyclone 3	52.08	4.51
Cyclone 4	17.76	0.15
Cyclone 5	17.76	0.15
Cyclone 6	17.76	1.53
Cyclone 7	8.64	0.004
Cyclone 9	80.40	6.96
Cyclone 10	90.24	7.82

[September 18, 2008]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee: QB Corporation
Location: Salmon, Idaho

Facility ID No. 059-00008

4.4 Opacity Limit

Emissions from the cyclone stacks, or any other stack, vent, or functionally equivalent opening associated with the cyclones, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

[September 18, 2008]

Operating Requirements

4.5 Hours of Operation And Flowrate Limitations

The hours of operation of the cyclones shall not exceed any corresponding limits listed in Table 4.3.

Table 4.3 CYCLONES & TARGET BOX EMISSIONS LIMITS

Source Description	Total Motor Amperage Load ^a	Hours of Operation
	AMPs	hr/yr
Cyclone 1	104.8	4160
Cyclone 2	103.8	4160
Cyclone 3	86.3	4160
Cyclone 4	25	420
Cyclone 5	19	420
Cyclone 6	25	4160
Cyclone 7	17	20
Cyclone 9	100.5	4160
Cyclone 10	157	4160

^a based on a daily reading.

[September 18, 2008]

4.6 Flowrate Monitoring Equipment

The permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer specifications, equipment to measure the total motor amperage, in AMPs, of each cyclone listed in Table 4.2.

[September 18, 2008]

4.7 O&M Manual

The permittee shall have developed an O&M manual for each cyclone listed in Table 2.2. according to manufacturer specifications and recommendations. This manual shall describe the methods and procedures that will be followed to assure the cyclones are maintained in good working order and operated as efficiently as practical. For each cyclone listed in Table 4.2, this manual shall document the total motor amperage load that will be used to demonstrate compliance with Permit Condition 4.3, and corresponding flowrate (in ACFM) at that amperage load. Determinations of whether acceptable operating and maintenance procedures are being used will be based on information available to DEQ which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. The manual shall remain onsite at all times and shall be made available to DEQ representatives upon request.

[September 18, 2008]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee:	QB Corporation
Location:	Salmon, Idaho

Facility ID No. 059-00008

Monitoring and Recordkeeping Requirements

4.8 Total Motor Amperage

The permittee shall monitor, and record daily, the total motor amperage, in AMPs, of each cyclone listed in Table 4.3 in order to demonstrate compliance with Permit Condition 4.5.

[September 18, 2008]

4.9 Hours of Operation

The permittee shall monitor and record annual hours of operation of each cyclone listed in Table 4.3 in order to demonstrate compliance with Permit Condition 4.5.

[September 18, 2008]

4.10 Performance Test

The permittee may establish new total motor amperage load values for each cyclone listed in Table 4.2 by conducting a performance test that demonstrates compliance with Permit Condition 4.3 while operating at the alternative flowrate parameters. The performance test shall be conducted in accordance with the Test Methods and Procedures specified in the Rules (IDAPA 58.01.01.157), a DEQ-approved source test protocol, and the following:

- Prior to conducting the test, the permittee shall address the required averaging period specified in accordance with IDAPA 58.01.01.679 and the altitude correction in IDAPA 58.01.01.680.
- A visible emissions evaluation shall be performed during each compliance test. The visible emissions evaluation shall be conducted in accordance with the procedures contained in IDAPA 58.01.01.625.
- The permittee shall monitor and record the steam production rate of the boiler, fuel feed rate in tons per hour, and pressure drop across the multiclone during each run of the test.
- For each cyclone tested, the permittee shall monitor and record the average total motor amperage load, in AMPs, of each run of the test.

All operating parameters specified above shall be continuously monitored and recorded during each test run. The permittee may request to operate outside of the operating ranges specified by the manufacturer during the performance test by submitting a written source protocol to DEQ for approval and requesting to operate under alternative operating parameters during the duration of the test. The protocol shall describe how the operating parameters will be monitored during the performance test. Once the source test is completed and then approved by DEQ, the permittee may request in writing to operate in accordance with alternative operating parameters. The request shall include a source test report and justification for the alternative operating parameters. Upon receiving DEQ written approval of the source test and the requested alternative operating parameters, the permittee shall operate in accordance with those DEQ-approved alternative operating parameters. A copy of DEQ's approval shall be maintained on site with a copy of this permit.

[September 18, 2008]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee:	QB Corporation	Facility ID No. 059-00008
Location:	Salmon, Idaho	

3. PERMIT TO CONSTRUCT GENERAL PROVISIONS

General Compliance

1. The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the Rules for the Control of Air Pollution in Idaho. The emissions 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.

[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 in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.

[IDAPA 58.01.01.211, 5/1/94]
3. Nothing in this permit is intended to relieve or exempt the permittee from the responsibility to comply with all applicable local, state, or federal statutes, rules and regulations.

[IDAPA 58.01.01.212.01, 5/1/94]

Inspection and Entry

4. Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:
 - a. Enter upon the permittee's premises where an emissions source is located or emissions related activity is conducted, or where records are kept under conditions of this permit;
 - b. Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - d. As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.

[Idaho Code §39-108]

Construction and Operation Notification

5. The permittee shall furnish DEQ written notifications as follows in accordance with IDAPA 58.01.01.211:
 - a. A notification of the date of initiation of construction, within five working days after occurrence;
 - b. A notification of the date of any suspension of construction, if such suspension lasts for one year or more;

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee:	QB Corporation	Facility ID No. 059-00008
Location:	Salmon, Idaho	

- c. A notification of the anticipated date of initial start-up of the stationary source or facility not more than sixty days or less than thirty days prior to such date;
- d. A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and
- e. A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date.

[IDAPA 58.01.01.211, 5/1/94]

Performance Testing

6. If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.

All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.

Within 30 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

[IDAPA 58.01.01.157, 4/5/00]

Monitoring and Recordkeeping

7. The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this permit. Records of monitoring information shall include, but not be limited to the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to DEQ representatives upon request.

[IDAPA 58.01.01.211, 5/1/94]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0231

Permittee:	QB Corporation	Facility ID No. 059-00008
Location:	Salmon, Idaho	

Excess Emissions

8. The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns.

[IDAPA 58.01.01.130-136, 4/5/00]

Certification

9. All documents submitted to DEQ, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification 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.

[IDAPA 58.01.01.123, 5/1/94]

False Statements

10. No person shall knowingly make any false statement, representation, or certification in any form, notice, or report required under this permit, or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.125, 3/23/98]

Tampering

11. No person shall knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.126, 3/23/98]

Transferability

12. This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.209.06.

[IDAPA 58.01.01.209.06, 4/11/06]

Severability

13. 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.

[IDAPA 58.01.01.322.15.h, 5/1/94; 40 CFR 70.6(a)(5)]