



Approval No. 18-A060028-0

A&CC PAR No. 92593

September 22, 2006

Biomarine-Ntron, Inc.
Attention: Mr. Carl Swartz
456 Creamery Way
Exton, Pennsylvania 19341

Dear Mr. Swartz:

The review of your application dated April 24, 2006, your assigned Code No. BIO602, requesting approval of the Model RMS Pressure and Temperature Monitoring Device, is complete.

The design of this Model RMS Pressure and Temperature Monitoring Device meets the requirements of Title 30 Code of Federal Regulations, Part 18 and is approved as permissible for use in gassy underground mines. We assign Approval No. 18-A060028-0 to the Model RMS Pressure and Temperature Monitoring Device.

The following requirements apply to Approval No. 18-A060028-0:

1. You must build each Model RMS Pressure and Temperature Monitoring Device bearing this approval number according to the drawings and specifications on file at our Center. Enclosed is a list of these drawings and specifications.
2. Our approval label information must be legibly reproduced with permanent lettering on a wear resistant material and must be prominently displayed on an exterior surface of the Model RMS Pressure and Temperature Monitoring Device (see the enclosed official approval label information required for this pressure and monitoring device). All of the approval label information must appear on the approval label.
3. You are not permitted to make changes to the designs of the Model RMS Pressure and Temperature Monitoring Device without our approval.
4. We may require you to make changes to the design, or to modify the Model RMS Pressure and Temperature Monitoring Device in the field, in the interest of safety.
5. We have the right to revoke this approval, for cause, at any time.

<u>TITLE</u>	<u>DRAWING NO.</u>	<u>REV.</u>	<u>STATUS</u>
B240R Monitor Alarm PCB Assembly Drawing	AS-C-2938	H	New
B240R Alarm PCB Bill of Material	6-01-5000-15-0 (4 sheets)	H	New
B240R 2nd Gen Alarm	AR-B-0828 (10 sheets)	D	New
B240R Alarm PCB Fabrication Drawing	MA-C-0181	F	New
B240R Monitor Battery PCB Assembly Drawing	AS-B-2957	G	New
B240R Battery PCB Bill of Material	6-01-5000-07-0	G	New
B240H Monitor Battery PCB Artwork	AR-B-0820 (7 sheets)	D	New
B240R Monitor Battery PCB Fabrication drawing	MA-C-0174	F	New
Battery warning label artwork reference	B47D171	D	New
Monitor System Certification label artwork ref.	C47D172	D	New
RMS Connection ID label artwork reference	C47D131	E	New
RMS Serial number label set artwork reference	B47D132	D	New
RMS manufacturing date label artwork reference	B47D202	C	New
RMS Monitor Logo Label Artwork Reference	C47D130	B	New

Factory Inspection Form: See Certified Statement signed by William R. Flynn, dated April 25, 2006.

6. The following requirements apply to the use of this Model RMS Pressure and Temperature Monitoring Device:
 - 6a. MSHA approved for use with one of the following 9-Volt batteries only:
Energizer #522, Panasonic #6AM6, Duracell #MN1604 or the Rayovac #A1604.
 - 6b. The battery is to be changed in fresh air only.

You will receive an invoice for the cost to process your application.

If you have any comments or questions relative to this letter, please contact Kevin L. Hedrick at 304-547-2018.

Sincerely,

A handwritten signature in black ink that reads "Joseph F. Judeikis". The signature is written in a cursive style with a large, prominent initial "J".

Joseph F. Judeikis
Acting Chief, Approval and Certification Center

Enclosures

PAR No. 92593
Data Sheet No. 6
By: KLHedrick
Date: 09-22-06

INVESTIGATION IA-22688

DRAWING LIST

Biomarine-Ntron, Inc.
Permissible Model RMS Pressure and Temperature Monitoring Device
Approval No. 18-A060028-0

<u>TITLE</u>	<u>DRAWING NO.</u>	<u>REV.</u>	<u>STATUS</u>
B240R Monitor Intrinsic Safety Control Schematic	SC-E-0808	C	New
Sensor Module Assembly	D47C016 (2 sheets)	E	New
BP240R Sensor Module Bill of Material	B6-01-5000-05-0 (4 sheets)	D	New
BP240R Circuit Cluster Bill of Material	B6-01-5000-07-1 (2 sheets)	D	New
Sensor module front housing reference drawing	D47D071	I	New
Sensor module rear housing reference drawing	D47D072	H	New
RMS battery door machine drawing	B47D185	B	New
RMS battery door gasket machine drawing	B47D186	B	New
Horn Zener PCB Assembly Drawing	AS-B-2983	C	New
B240R RMS Horn PCB Bill of Material	6-01-5000-17-0	C	New
Horn zener PCB Artwork	AR-B-0825 (7 sheets)	A	New
Horn zener PCB Fabrication Drawing	MA-B-0180	B	New