submits a request for such approval, in
writing, to the Institute. The Institute
shall consider each such application
and accept or reject the application
after a review of the effects on the
wearer's health and safety and in the
light of any field experience in use of
chemical cartridge respirators as pro-
tection against such hazards.

§ 84.191 Chemical cartridge respirators; required components.
(a) Each chemical cartridge respirator described in §84.190 shall, where
its design requires, contain the fol-
lowing component parts:
(1) Facepiece, mouthpiece, and nose-
clip, hood, or helmet;
(2) Cartridge;
(3) Cartridge with filter;
(4) Harness;
(5) Breathing tube; and
(6) Attached blower.
(b) The components of each chemical
cartridge respirator shall meet the
minimum construction requirements
set forth in subpart G of this part.

§ 84.192 Cartridges in parallel; resistance
requirements.
Where two or more cartridges are
used in parallel, their resistance to air-
flow shall be essentially equal.

§ 84.193 Cartridges; color and mark-
ings; requirements.
The color and markings of all car-
tridges or labels shall conform with the
requirements of the American National
Standards Institute, American Na-
tional Standard for Identification of
Air-Purifying Respirator Canisters and
K13.1 is incorporated by reference and
has been approved by the Director of
the Federal Register in accordance
with 5 U.S.C. 552(a) and 1 CFR part 51.
Copies may be obtained from American
National Standards Institute, Inc., 1430
Broadway, New York, NY 10018. Copies
may be inspected at the NIOSH, Cer-
tification and Quality Assurance
Branch, 1095 Willowdale Road, Morgan-
town, WV 26505–2888, or at the National
Archives and Records Administration
(NARA). For information on the avail-
ability of this material at NARA, call
202–741–6030, or go to: http://
www.archives.gov/federal_register/

§ 84.194 Filters used with chemical
cartridges; location; replacement.
(a) Particulate matter filters used in
conjunction with a chemical cartridge
shall be located on the inlet side of the
cartridge.
(b) Filters shall be incorporated in or
firmly attached to the cartridge and
each filter assembly shall, where appli-
cable, be designed to permit its easy re-
moval from and replacement on the
cartridge.

§ 84.195 Breathing tubes; minimum re-
quirements.
Flexible breathing tubes used in con-
junction with respirators shall be de-
signed and constructed to prevent:
(a) Restriction of free head move-
ment;
(b) Disturbance of the fit of
facepieces, mouthpieces, hoods, or hel-
ments;
(c) Interference with the wearer's ac-
tivities; and
(d) Shutoff of airflow due to kinking,
or from chin or arm pressure.

§ 84.196 Harnesses; installation and
construction; minimum require-
ments.
(a) Each respirator shall, where nec-
essary, be equipped with a suitable har-
ness designed and constructed to hold
the components of the respirator in po-
isition against the wearer's body.
(b) Harnesses shall be designed and
constructed to permit easy removal
and replacement of respirator parts
and, where applicable, provide for hold-
ing a full facepiece in the ready posi-
tion when not in use.

§ 84.197 Respirator containers; min-
imum requirements.
Respirators shall be equipped with a
substantial, durable container bearing
markings which show the applicant's
name, the type and commercial des-
ignation of the respirator it contains
and all appropriate approval labels.