



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF COMMUNITY HEALTH
LANSING

JANET OLSZEWSKI
DIRECTOR

March 4, 2008

Chris Mitchell, R.T., Manager of Operations
Saint Joseph Mercy
Woodland Health Center
7575 Grand River Avenue
Brighton, Michigan 48114

Mammography Facility Registration Number: 25208
Machine Registration Number: X47956

Dear Ms. Mitchell:

The Radiation Safety Section examined the mammography facility at the above address on February 8, 2008, to determine compliance with the *Ionizing Radiation Rules* of the State of Michigan, applicable radiation statutes, and the federal Mammography Quality Standards Act (MQSA). Results of the state inspection are presented below. Results of the MQSA inspection were left with the facility at the time of the inspection.

The facility did not meet the requirements of the rules, as follows:

Rule 652(3). The automatic exposure control system did not maintain image optical density to within ± 0.2 of the average as the kVp was varied within the clinically employed range and as attenuator thickness was varied from 2 to 6 centimeters for each clinically employed kVp.

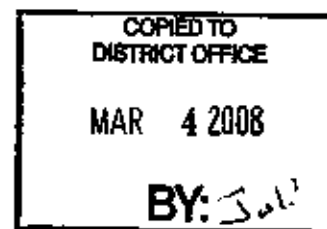
Phantom Image and Radiation Dose Information

Our survey of the mammography equipment included an analysis of an RMI Model 156 mammography phantom image and determination of patient radiation exposure at technique settings used for average-size, average-density breast: Contrast Mode and zero density.

The phantom image appeared to meet the required minimum imaging standards.

The measured skin entrance exposure was 1239 mR, and the half-value layer at 26 kVp was 0.34 millimeter of aluminum. The mean glandular dose can be estimated to be about 213 millirads.

While the calculated mean glandular dose is slightly higher than the regulatory limit of 200 millirads, it is within our estimated measurement of uncertainty. No further corrective action will be necessary at this time.



Please refer to the *Mammography Inspection Data Sheet* for a detailed analysis of the mammography phantom image, machine checks, and information concerning quality assurance.

Response

An invoice for the mammography machine inspection fee is enclosed. Payment of the fee is now due.

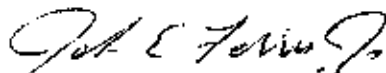
For your convenience, a notification form is enclosed which can be filled in, signed, and returned to indicate completion of corrective action. Please be sure to indicate the **facility registration number** in correspondence.

For your information, items of noncompliance are subject to reinspection with possible assessment of a reinspection fee. A timely notice of corrective action, however, may be accepted by the Department in lieu of such a reinspection and fee.

Please share this report with the Medical Director for Mammography, Joanne Barbour Walker, M.D., and with the Radiation Protection Supervisor, Ralph Lieto, M.S.E

Should there be any questions regarding this report or if we can be of further assistance in radiation protection matters, please contact us (586) 446-0200.

Sincerely,



John E. Ferris, Jr., Health Physicist
Radiation Safety Section
Division of Health Facilities & Services
E-mail: jeferris@michigan.gov
Website: www.michigan.gov/rss

Enclosures: *MQSA Facility Inspection Report*
Mammography Inspection Data Sheet
Inspection Invoice
Notification Form



STATE OF MICHIGAN
DEPARTMENT OF COMMUNITY HEALTH
LANSING

JENNIFER M. GRANHOLM
GOVERNOR

JANEY OLSEN
DIRECTOR

April 9, 2008

[Redacted]

Saint Joseph Mercy
Woodland Health Center
7575 Grand River Avenue
Brighton, Michigan 48114

Mammography Facility Registration Number: 25208
Machine Registration Number: X47994

Dear [Redacted]:

We have received your mammography machine inspection fee and notice of corrective action taken to comply with the *Lowest Radiation Rules* of the State of Michigan. Based on the notice, we are pleased to inform you that the mammography facility is now considered to be in compliance.

A mammography machine inspection certificate is enclosed. The rules require that this certificate be posted near the machine.

Thank you for your cooperation.

Sincerely,

John E. Ferris, Jr., Health Physicist
Radiation Safety Section
Division of Health Facilities & Services
E-mail: johnferris@michigan.gov
Website: www.michigan.gov/rss

Enclosure: *Certificate of Mammography Machine Inspection*