

GEORGIA DEPARTMENT OF HUMAN RESOURCES • OFFICE OF REGULATORY SERVICES • HEALTH CARE SECTION TWO PEACHTREE STREET NW • SUITE 33-250 • ATLANTA GEORGIA 30303-3142 • (404) 657-5400 • FAX (404) 657-5442

INSTRUCTIONS FOR X-RAY REGISTRATION

In accordance with the <u>Radiation Control Act, Chapter 31-13 of the Official Code of Georgia Annotated</u>, and the <u>Rules and Regulations for X-Ray, Chapter 290-5-22</u>, users of radiation machines are required to be registered with the Department <u>prior to the operation</u> of X-ray equipment in Georgia. An <u>approved</u> registration requires submission of a registration application, an approved shielding design, and an initial inspection.

The Department will acknowledge receipt of all relevant materials. Disapproved shielding designs will be returned for modification. Facility registration is not transferable, however an approved shielding design for a specified facility may be used by a subsequent owner for registration purposes, provided x-ray use is within specified conditions. **Relocations** require a new application, shielding design and an initial inspection.

Be advised that: A FACILITY MAY NOT OPERATE X-RAY MACHINES UNTIL AN INITIAL INSPECTION IS DONE. FAILURE TO REGISTER YOUR MACHINES IN ACCORDANCE WITH REGULATIONS WILL CAUSE YOU TO BE SUBJECT TO CIVIL MONEY PENALTIES NOT TO EXCEED \$1,000.00 OR DENIAL OF REGISTRATION OR BOTH. Due to a backlog of inspections, the X-ray Unit is approximately six weeks behind in completing initial inspections. If you wish to operate the X-ray equipment sooner, you may opt to have an individual qualified at § § 290-5-22-.02(1)(d) and .02(4) to perform the initial inspection at your own expense.

Enclosed is a package of information that contains forms and materials that you are required to submit to this Office within (30) days. The materials included are:

 1. Rules and Regulations for X-Rays Click on SERVICES Click on PRIMARY HEALTH CARE Scroll down Click on X-RAY FACILITIES Scroll down to Rules and Reg 2. Shielding Design Format Requirements with example 3. Reportable Incidents Instruction 4. Initial Inspection Form 	js.
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Any questions concerning the requirements in this letter may be addressed by calling 404-657-5400. To aid you in completing the forms, directions are enclosed in your packet.



GEORGIA DEPARTMENT OF HUMAN RESOURCES • DIAGNOSTIC SERVICES UNIT 2 PEACHTREE STREET, NW, 33RD FLOOR ATLANTA, GEORGIA 30303-3142 • (404) 657-5400 • FAX (404) 657-5442

APPLICATION FOR X-RAY REGISTRATION

A. Applicant: (Please Print or Type)		Facility		
Facility Address:	Mailing A	ddress:		
County: Telephone B. Has a Radiation Shielding Design for this facility by registration requirements: [] Yes [] No If	peen submitted to the X-ray Unit for a	approval: A plan must be submitted as part of the initial		
C. Is This Application for: (check all that apply) [] A new Facility [] A purchase of new equipment [] Relocation	Have you previously registered an X-ray Facility in Georgia? [] Yes [] No If yes, under what name:		
3 Dental Panographic 4 Radiographic Only	es in each category): 7 Mammography 8 C-Arm 9 Computerized Tomography 10 Photofluorographic 11 Analytical X-ray 12 Particle Analyzer	13 Therapeutic (less than 0.9 Mev) 14 Therapeutic Accelerator 15 Particle Accelerator 16 Cabinet X-ray 17 Open Beam X-ray 18 Other		
1. Practice [] 1 Medical [] 6 Podiatry [] 2 Dental [] 7 Industrial [] 3 Chiropractic [] 8 Research [] 4 Osteopathy [] 9 Institution [] 5 Veterinary [] 10 Other (Specify)	[] 1 Private Offi [] 2 Hospital [] 3 Clinic [] 4 Mobile (see	[] 6 Industrial [] 7 Institutional		
G. List all x-ray machines at the facility or in mobile		State:State:State:State:		
H. List all x-ray systems that have been disposed o Disposition I. For diagnostic Facilities except hospitals; List al	If sold, name	ole Brand Name y to prescribe x-rays. Please Print.		
J. Only the person responsible for radia FOR DHR USE ONLY Registration Number:		Authorized Signature/Title Print or Type Name		

INSTRUCTIONS FOR COMPLETING SHIELDING DESIGN SPECIFICATIONS

Before Starting Form Look At Sample Drawing:

- (1.) Prepare a scale drawing of your x-ray suite. Be sure to indicate locations of all doors and windows, operator=s area, and darkroom, including film storage.
- (2.) Label all barriers alphabetically starting in the upper left corner of the room.
- (3.) Indicate use of adjacent area outside each barrier.
- (4.) The travel and traverse limits of the x-ray tube should be indicated, if applicable. Travel is defined as the long dimension of movement and traverse as the short dimension. Be sure to show travel and traverse on your drawing.

Completing the Shielding Design Specification Forms:

- (1.) Complete applicant and facility information on top portion of form. Use one form for each room or x-ray machine. Include mailing address if different.
- (2.) Indicate use of machine. This would be the type of examination or treatment performed using the machine.
- (3.) Design workload. State either the milliamp-minutes per week at 100 kVp <u>or</u> estimate the number of exposures that will be made during an average one week period.
- (4.) Indicate maximum exposure time, kVp setting, and maximum milliamp setting anticipated under usual operating techniques.
- (5.) Column 1. Barrier Designation: Fill in the barrier designations from your scale drawing.
- (6.) Column 2. Distance from X-ray tube to barrier.
- (7.) Column 3. Primary or Secondary barrier.

Indicate whether the barrier is a primary or secondary radiation barrier. A primary barrier is defined as a barrier toward which the x-ray beam could be directed. All other barriers are secondary barriers.

- (8.) Column 4. Identify use of adjacent area outside this barrier.
- (9.) Column 5. Controlled or Noncontrolled Area.

The areas outside the x-ray room are either controlled access areas or noncontrolled access areas. A controlled area is a defined area in which the exposure of persons to radiation is under the supervision of a Radiation Protection Supervisor. This implies that the controlled area is one that requires control of access, occupancy, and working conditions for radiation protection purposes.

Areas which are not part of the Radiology Department or suite should not be declared controlled for the purpose of permitting reduction in degree of protection of occupants. Areas within the Department or suite which are not directly related to the use of radiation sources should not be declared controlled areas.

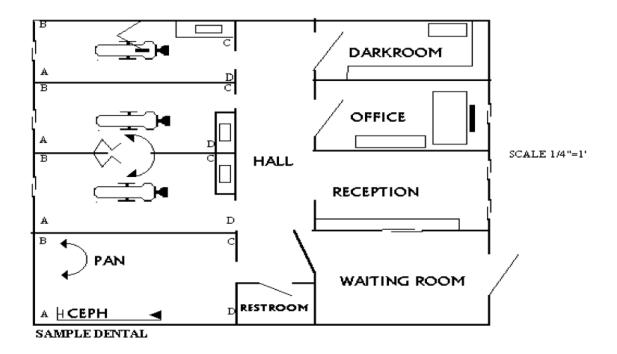
Any space not meeting the definition of a controlled area is a noncontrolled area.

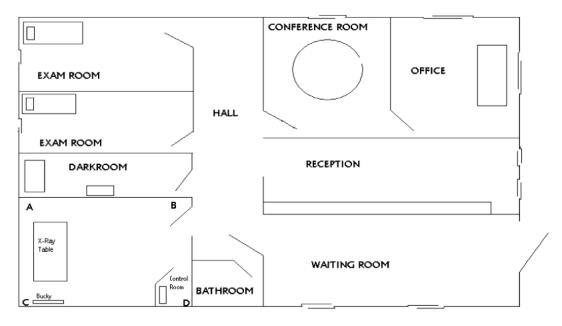
(10.) Column 6. Construction Material and Thickness.

In order for Department staff to evaluate your shielding design, the construction materials and thicknesses of these materials at each barrier must be know. Be sure to include windows and doors.

As an example - for wall AB in our sample x-ray room there are two sheets of dry wall, 2 A thick each. (**Do not include studs and space between.**) In another example, the floor area which is located over a storage room is 2.5 inches of 147 pound concrete.

The addition of lead or other materials to reduce radiation exposure below regulatory requirements is to be indicated here. The amount of lead or lead equivalent material required can be calculated by using NCRP report 35.





Medical

Sample

SHIELDING DESIGN SPECIFICATION FORM

APPLICANT		FACILITY NAME:			
ADDRESS					
COUNTY			TELEPHONE		
ROOM #			USE OF MACHINE		
DESIGN WORKLOA IN MILLIAMP MIN/V			MAXIMUM kVp SETTING NORMALLY USED		
OR MAXIMUM NUMBER FILMS/WEEK ANTICIPATED MAXIMUM EXPOSURE TIME NORMALLY USED			NMALLY USE	ILLIAMP SETTING D	
PROJECTED OPENI	NG DATE				
BARRIER DESIGNATION	DISTANCE FROM X-RAY TUBE TO BARRIER	PRIMARY OR SECONDARY BARRIER	IDENTIFY USE OF ADJACENT AREA OUTSIDE THIS BARRIER	CONTROLLED OR NONCONTROLLED AREA	CONSTRUCTIO N MATERIAL AND THICKNESS
CEILING					
FLOOR					
OPERATION BARRIER					
WALL					

REVISED 1/97

File Name: Incident Repd

Instructions for Completing the X-Ray Self-Report Form Department of Human Resources Office of Regulatory Services Health Care Section Diagnostic Services Unit Chapter 290-5-22-0.7 (2) and (4)

Reportable Incidents

This form is designed for notifying the Office of Regulatory Services (ORS) of reportable sentinel incidents and for the action taken by the facility to identify and address any opportunity to improve care / procedures related to the incident. A separate letter to notify ORS of such incidents is NOT required.

Directions for completing the x-ray Incident Report Form

Please type or print the information. Be as complete as you can: complete information may allow our staff to review the incident without contacting you for more information. Use a separate report for each incident: overexposure of a patient in one event, high count film badges of unknown exposure origin are separate incident.

What should be reported?

- 1. Any unanticipated patient death/serious harm due to excessive radiation
- 2. Misidentification of X-rays resulting in unnecessary surgery leading to problems that could have or did cause a health threat to the patients.

These are examples and are not meant to be an exhaustive list of reportable events.

Facility Information:

Include the name, address, phone number, fax number, and e-mail address of the facility. The license/registration number is on your facility license/certificate. The contact person(s) listed will be the person(s) ORS will contact should a follow-up phone call be needed.

Reporting Information:

Record the date and time the incident occurred, the date and time you became aware of the incident, and the date and time you are reporting the incident to ORS, circling am or pm. Check which event you ar reporting on the form or hand write it.

Summary of Incident:

Provide a brief summary of the reportable incident: describe what happened, who was involved (i.e. RT, CRTT, X-ray operator, phlebotomist, RN etc.) and what action was taken at the time of the event. For example:

"The operator took x-rays of the wrong patient because the patient chart was actually another patient's."

Immediate Corrective or Preventative Action Taken:

Provide a brief narrative of your evaluation of the actions taken in regard to the incident. Include any action you will take as a result of this review, which could include but is not limited to: inservices & monitoring, revision of policy/procedure, development of policy/procedure, no action required, etc.

Sign and date the form and print your name and title. Return the form via fax to (404)657-5442. Do not put any information in the box entitled "for Department Use Only"

Thank you for your cooperation.



Georgia Department of Human Resources • Office of Regulatory Services • Sharon Dougherty, Director Two Peachtree Street, NW • Suite 33.250 • Atlanta, Georgia 30303-3142
Phone: 404-657-5400 • Fax: 404-657-5442

PERSONAL IDENTIFICATION REQUIREMENTS

All application for state licensure and registration submitted after March 1, 2006, will require a notarized Personal Identification Affidavit. This Affidavit is for your X-ray facility. Please see the attached Affidavit and list of documents that establish identity.

Application, Shielding design and Affidavit <u>must be mail together.</u> Please **do not fax** this will delay the registration process.

Please mail the original to:

Department of Human Resources Office of Regulatory services Health Care Section 2 Peachtree St, NW, Suite 33 -250 Atlanta, GA 30303-3142

ATTN: X-ray Unit

STATE OF GEORGIA		DE DEDGOVAL IDENTIFICATION
STATE OF GEORGIA) COUNTY OF)	AFFIDAVIT	RE: PERSONAL IDENTIFICATION FOR LICENSURE / REGISTRATION
PERSONALLY APPEARED	before the undersigned	officer, duly authorized to administer oaths, came
the undersigned, who after hav	ring been duly sworn, st	tates under oath, the following:
1. That my name is	and that I a	am who I say I am;
2. That my address is		;
3. That I have presented suffic	ient personal identificat	tion to the notary that is true and accurate;
4. That I am legally in the Unit	ted States of America;	
5. That I am applying to the Go	eorgia Department of H	uman Resources, Office of Regulatory Services, to
operate a business/activity to b	e located at the following	ng address:
	that is subject to	regulation by the Department of Human
Resources; and that this affidav	vit is a material part of	the application; and
6. That if the Department subs	sequently determines the	at the material information contained in this
affidavit is false, I will be in vi	olation of licensing/reg	sistration requirements, which may result in
revocation of my license or reg	gistration.	
Sworn to and subscribed before Thisday of	e me) ,)))	
NOTARY PUBLIC STATE OF GEORGIA) A	ffiant
My commission expires:	<u></u> :	

LIST B

Documents That Establish Identity

For individuals 18 years of age or older:

- Driver's license or ID card issued by a state or outlying possession of the United States provided it contains a photograph or information such as name, date of birth, sex, height, eye color, and address
- ID card issued by federal, state, or local government agencies or entities provided it contains a photograph or information such as name, date of birth, sex, height, eye color, and address (including U.S. Citizen ID Card [INS Form I-197] and ID Card for use of Resident Citizen in the U.S. [INS Form I-179])
- School identification card with a photograph
- Voter's registration card
- United States military card or draft record
- Military dependent's identification card
- United States Coast Guard Merchant Mariner Card
- Native American tribal document
- Driver's license issued by a Canadian government authority

Source: http://uscis.gov/graphics/lawsregs/handbook/hand_emp.pdf US Handbook for Employers, page 23



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DENTAL

CONTACT PERSON:		PHONE		
ADDRESS OF FACILITY _	(Street)			
(City)		(Zip Code)	(County)	
REGISTRATION NUMBER	R:			
Have there been any chang	es in ownership? YES	NO If yes, w	ho was the previous owner?	
2. Does the x-ray tube head n	naintain its position during	radiographic exposure	? YES NO N/A	
3. Is the open ended shielded co	nes the appropriate length 4"	for 50KVP and less, 7" for	or KVP's greater than 50? YES NO	
4. The operator is able to star	d a minimum of 6 feet from	m the useful beam or be	hind a protective barrier? YESNO	
5. Is the operator able to view	the patient during exposu	ire? YESNO		
6. Are all controls properly l	abeled? YES NO			
7. Are the chemicals change	7. Are the chemicals changed within a two month period and a permanent record maintained YESNON/A			
8. Is the darkroom light tight	t? YESNO	-		
	Does the darkroom have a safelight with correct wattage and filter bulb? YESNO			
10. Are film badges worn and				
11. Is there a warning stateme				
	•		NO N/A	
(a) Was an initial inspecti(b) Does the facility have	the qualified individual's			
13. Is a copy of the qualified individuals credentials enclosed with this questionnaire? YES NO				
	or(s) have the 6 hours of ma	-	training and documentation YESNO	
I attest that the information provi I further understand that making Licensure enforcement sanctions for X-ray.	a false statement with respect	t to the material facts on th	nis document may result in X-ray 290-5-22.08 of the Georgia Rules and Regulations	
Signature and Title of the respo	nsible person			



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RADIOGRAPHIC

Initial X-Ray Inspection

(Must be completed by a Qualified Individual)

CONTACT PERSON:		PHONE _	
ADDRESS OF FACILITY	(Street)		
(City)	(State)	(Zip Code)	(County)
REGISTRATION NUMBER:			
1. Have there been any changes	in ownership? YES	NO If yes, where	ho was the previous owner?
2. Is the operator prevented from	leaving the protected area	of the booth (bone of	densitometer) YES NO
3. Is the darkroom light tight? Y	ES NO N/A		
4. Does the safelight meet the fil (a) correct wattage YES	m manufacturer's requirem		NO
5. Is the a record of chemicals c record Maintained of change? YES			the manufacturer's suggestions and a
6. Are film badges worn by ope	rators and a record maintai	ned of exposures?	YES NO
7. (a) Does the operator(s) have	the 6 hour mandatory radi	ation safety training	with written documentation YES NO
(b) How many/			
8. Is there a lead apron available	? YES NO	_	
9. Is the operator able to view the	e patient during exposure?	YES N	0
10. (a) Was an initial inspection / (b) Does the facility have the			
11. Is a copy of the qualified ind	ividuals report enclosed wi	th this questionnaire	e? YES NO
12. Is there a warning statement	on the control panel? YES	NO	
I attest that the information provided I further understand that making a fa Licensure enforcement sanctions bein for X-ray.	lse statement with respect to t		is document may result in X-ray 290-5-22.08 of the Georgia Rules and Regulations
Signature and Title of the responsil	ole person		



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NON - MEDICAL

C	ONTACT PERSON:PHONE		
N/	NAM E OF FACILITY (Type or Print)		
Al	DDRESS OF FACILITY(Street)		
(Ci			
RI	EGISTRATION NUMBER:		
1.	Have there been any changes in ownership? YES NO If yes, who was the previous owner?		
2.	Are radiation hazards area identified by warning signs? YES NO		
3.	Are audible or visible signals in the vicinity of installations provided to warn of radiation? YES NO N/A		
4.	Do you have a copy of normal operating and emergency procedures? YES NO		
5.	Does your x-ray machine have a key operated primary control switch that cannot be operated, if the key is removed? YES NO		
6.	Does this area (open beam only) have caution signs posted? YES NO		
7.	Does this facility (open beam only) have a cumulative direct reading device and film badges or equivalent provided and use by person(s) in this 5mR/hr area? YES NO		
8.	Does the facility have the correct survey meter for quarterly safety checks? YES NO		
9.	Does the x-ray machine have a warning light labeled x-ray on which lights only when the tube is activated and which Will prevent activation of the tube if it is not in working order? YES NO N/A		
10	(a) Was an initial inspection / survey done by a qualified individual? YES NO N/A (b) Does the facility have the qualified individual's credentials on file? YES NO		
11	. Is a copy of the qualified individuals report enclosed with this questionnaire? YES NO		
12	. Does the x-ray operator(s) have the 2 hour mandatory safety training and documentation? YESNO		
I for	ttest that the information provided above is true and accurate. urther understand that making a false statement with respect to the material facts on this document may result in X-ray consure enforcement sanctions being imposed against this facility as found in Chapter 290-5-22.08 of the Georgia Rules and Regulations X-ray.		
Si	gnature and Title of the responsible person		



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VETERINARY

CONTACT PERSON:		PHONE _	
NAM E OF FACILITY	(Type or Print)		
	·		
ADDRESS OF FACIL	ITY(Street)		
(City)	(State)	(Zip Code)	(County)
REGISTRATION NUM	MBER:		
1. Have there been any	changes in ownership? YES_	NO If yes, v	who was the previous owner?
2. Is the operator able t	o stand a minimum of 6 feet fr	om the x-ray beam? YE	SNO
3. Are there lead aprons	s and lead gloves available for	all people in the room du	ring radiographic exposure? YESNO
4. Is the darkroom tight	? YES NO		
5. Are the chemicals ch	anged within a two-month per	iod and a permanent reco	ord maintained? YES NO
6. Is there a working sa	felight with the correct filter a	nd wattage bulb? YES _	NO
7. If hand processing is	there a thermometer and times	r available? YES	NO N/A
8. Does the operator(s)	have the 6 hour mandatory rac	liation safety training and	d documentation? YESNO
9. Are film badges wor	n and records maintained? YE	ES NO N/A	·
10. Does the machine ha	ve a warning statement? YES	NO	
11. (a) Was an initial ins	pection / survey done by a qua	llified individual? YES_	NO N/A
(b) Does the facility	have the qualified individual's	credentials on file? YE	S NO
12. Is a copy of the quali	ified individual's report enclos	ed with this questionnair	re? YES NO
I further understand that m	provided above is true and accurating a false statement with respections being imposed against this f	ct to the material facts on the	his document may result in X-ray 290-5-22.08 of the Georgia Rules and Regulations
Signature and Title of the	responsible person		



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FLUOROSCOPE

CONTACT PERSON:PHONE		
	AM E OF FACILITY	
A	DDRESS OF FACILITY(Street)	
	(Street)	
(C	y) (State) (Zip Code) (County)	
R	EGISTRATION NUMBER:	
1.	Have there been any changes in ownership? YES NO If yes, who was the previous owner?	
2.	Does the facility have lead aprons available for person(s) assisting with the x-ray procedure? YES NO	
3.	Does the facility have the annual entrance exposure radiation measurements posted in the room? YESNO	
4.	Are film badges worn and records maintained? YES NO	
5.	Does the x-ray operator(s) have the 6 hours mandatory radiation safety training and documentation? YES NO	
6.	Does the x-ray machine have a warning statement? YES NO	
7.	(a) Was a initial inspection / survey done by a qualified individual? YES NO N/A	
	(b) Does the facility have the qualified individual's credentials on file? YES NO	
8.	Is a copy of the qualified individuals report enclosed with this questionnaire? YES NO	
I f Li	Itest that the information provided above is true and accurate. In their understand that making a false statement with respect to the material facts on this document may result in X-ray rensure enforcement sanctions being imposed against this facility as found in Chapter 290-5-22.08 of the Georgia Rules and Regulation X-ray.	
Si	gnature and Title of the responsible person	



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BONE DENSITOMETERS

CONTACT PERSON:	PHONE
NAM E OF FACILITY (Type or Print)	
ADDRESS OF FACILITY(Street)	
(City) (State)	(Zip Code) (County)
(city)	(Especial)
REGISTRATION NUMBER:	
Type of scanner: Full Body or Extr	remity
1. Have there been any changes in ownership? YE	S NO If yes, who was the previous owner?
2. Can the x-ray operator(s) get three feet from the	beam when at the controls? YES NO
3. Do you have area monitor for the full body? Y	TES NO
4. Do you have lead apron(s) available? YES	NO N/A
5. Do the operator(s) have the 6 hours mandatory r	radiation safety training and documentation? YES NO
6. Do you have a record of daily calibrations? YE	SS NO
7. Do you have an operator's manual? YES	. NO
8. (a) Was a initial inspection / survey done by a qu	nalified individual? YES NO N/A
(b) Does the facility have the qualified individua	al's credentials on file? YES NO
9. Is a copy of the qualified individuals report enclo	osed with this questionnaire? YES NO
	curate. spect to the material facts on this document may result in X-ray nis facility as found in Chapter 290-5-22.08 of the Georgia Rules and Regulations
Signature and Title of the responsible person	