

Regulations and Compliance Directives Affecting the Clark Science Center
October 2015

ID #	Type	Statute(S)/ Directive (D)/ Regulation (R)	Origin	Enforcing Entity	Types of Research Affected	Impact	Smith College Entity(ies) Responsible for Administering
1.	ICHC	Laboratory Standard (S)	Federal	Occupational Health and Safety Administration (OSHA)	All 'wet lab' including Chem, Bio, some Physics, PSY, and EGR	Training, procedures for work with hazardous materials and procedures	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College ICHC (Institutional Chemical Hygiene Committee)
2.	IBC	Bloodborne Pathogen Standard (S)	Federal	OSHA	Any with human or non-human primate unfixed research materials (mostly Bio, some Chem and EGR)	Training, procedures, collection of sharps	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College IBC (Institutional Biosafety Committee)
3.	ICHC	NFPA 45 (D)	Local	Northampton Fire Dept.	Flammable and hazardous chemical storage	Flammable cabinets, limits on amounts stored	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College ICHC (Institutional Chemical Hygiene Committee)
4.	ICHC	Compressed Gas Standard (S)	Federal	OSHA	Users of compressed gas	Training, storage, use.	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College ICHC (Institutional -- Chemical Hygiene Committee)

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5.	ICHC	Resource Conservation and Recovery Act (RCRA) (S)	Federal	Massachusetts Dept. of Environmental Protection	Any which produces a hazardous waste (most 'wet lab')	Hazardous waste training, identification, storage and disposal	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College ICHC (Institutional Chemical Hygiene Committee)
6.	ICHC	Clean Water Act (S)	Federal	Northampton DPW-Water Dept.	Users of hazardous chemicals	No discharge of hazardous materials to sewers	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College ICHC (Institutional Chemical Hygiene Committee)
7.	RSC	Atomic Energy Act of 1978 (S)	Federal	Massachusetts Dept of Public Health/Radiation Control Program	Researchers employing radioactive material; also affects possession of RAM in other areas (smoke detectors)	Training, protocol and users approvals, documentation, area surveys, licensing, waste storage and disposal	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College RSC (Radiation Safety Committee)
8.	RSC	Rules and Regulations Relative to the Use of Laser Devices or Equipment to Control the Hazards of Laser Rays and Beams (S)	State	Massachusetts Dept of Public Health/Radiation Control Program	Researchers using lasers	Training, protocol approvals, user approvals, registration of Class IIIb and Class IV lasers	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College RSC (Radiation Safety Committee)

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9.	RSC	Radiation Safety Requirements for Analytical Xray Equipment	State	Massachusetts Dept of Public Health/Radiation Control Program	Researchers using X-ray generators, including XRF devices, diffractometers	Training, protocol and users approvals, documentation, licensing of equipment	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College RSC (Radiation Safety Committee)
10.	IBC	Storage and Disposal of Infectious or Physically Dangerous Medical and Biomedical Waste (S)	State	Massachusetts Dept of Public Health	Researchers producing biomedical waste or sharps	Approved disposal methods for sharps, required verification of autoclaves, approved storage and disposal practices for other biomedical waste	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College IBC (Institutional Biosafety Committee)
11.	CSC	Transportation of Hazardous Materials Regulations (S)	Federal	Dept. of Transportation/ Federal Aviation Administration	Stockroom employees and any faculty or staff member wishing to ship hazardous substances for research purposes	Training, licensing, biannual certification of CSC's two designated shippers	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir.
12.	IBC	NIH Guidelines for Recombinant DNA Research (S)	Federal	National Institutes of Health	Any Smith researcher who performs nonexempt recombinant DNA/RNA experiments regardless of funding source (as long as any NIH monies are received by Smith)	Training, protocol review and approval by the Institutional Biosafety Committee	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College IBC (Institutional Biosafety Committee)
13.	CSC/ ICHC/ IBC	General Duty Clause (S)	Federal	OSHA	Those researchers who are performing hazardous operations not otherwise or specifically covered	Ex: New Whately tower equipment calibration procedures; work with nonrecombinant BSL-2 agents	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • Smith College ICHC (Institutional Chemical Hygiene Committee), • Smith College IBC (Institutional Biosafety Committee), • Other committees, as necessary

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14.	IBC	Possession, Use and Transfer of Select Agents and Toxins (S)	Federal	Dept of Health and Human Services/Centers for Disease Control	Storage or use of listed agents	Ordering, storage, or use of listed agents	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir., • Smith IBC (as necessary)
15.	CSC	Distribution and Use of Tax Free Alcohol (27CFR 22) (S)	Federal	Bureau of Alcohol, Tobacco, Firearms and Explosives	Users of 95% and 100% ethanol	Purchase, use and inventory of 95% and 100% ethanol for research purposes	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir.
16.	CSC /ICHC /IBC /RSC	1910 Subpart I: Personal Protective Equipment (PPE) (S)	Federal	OSHA	Laboratory work with hazardous chemicals, biologicals, or processes which could present hazards to the eyes/skin/lungs	Use of personal protective equipment (gloves, safety glasses, goggles) when appropriate	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • All relevant committees (incl. Smith ICHC, IBC, RSC)
17.	CSC	1910 Subpart O: Machinery and Machine Guarding (S)	Federal	OSHA	Users of the Center for Design and Fabrication	Machine tool design and use/modification to prevent injury	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir.
18.	CSC	1910 Subpart P: Hand and Portable Powered Tools and Other Hand-Held Equipment (S)	Federal	OSHA	Users of the Center for Design and Fabrication	Design and use (modification) of hand and portable powered tools to prevent injury	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir.
19.	CSC	1910 Subpart Q: Welding, Cutting, and Brazing (S)	Federal	OSHA	Users of the Center for Design and Fabrication	Welding procedures	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir.

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20.	CSC	Export Administration Act of 1979; Arms Export Control Act	Federal	U.S. Dept. of Commerce; US. Dept. of State	All international shipments of goods (research samples included); work with certain specified biologicals, chemicals, or electronic or computer technology which involves some foreign nationals	Some collaborations with foreign nationals from listed countries; screening and reporting in effect as needed for shipments	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir.
21.	IACUC	The Animal Welfare Act United States Department of Agriculture (S) USDA Policy Manual ®	Federal	Regulatory Enforcement and Animal Care Animal and Plant Health Inspection Service	Research or teaching involving covered species	Unannounced inspections, annual reporting, licensing, protocol review, training, record maintenance, semiannual program reviews	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
22.	IACUC	The Public Health Service Act (S) The Public Health Service Policy on Humane Care and Use of Laboratory Animals (R)	Federal	Office of Laboratory Animal Welfare (OLAW) of the National Institutes of Health	Research or teaching involving all vertebrate animals or animal tissue	Annual reporting, negotiation of PHS Assurance, self reporting programmatic updates, protocol review, training, record maintenance, OHP maintenance, semiannual program review and reporting	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
23.	IACUC	The Guide for the Care and Use of Laboratory Animals (R)	Federal	National Academy of Science and the Association for the Assessment and Accreditation of Laboratory Animal Care	Research or teaching involving all vertebrate animals or animal tissue	Annual reporting, negotiation of PHS Assurance, self reporting programmatic updates, protocol review, training, record maintenance, OHP maintenance, semiannual program reviews	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)

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24.	IACUC	Good Laboratory Practice Regulations (R)	Federal	Office of Regulatory Affairs Food and Drug Administration	Any research associated with the Food and Drug Administration	Record maintenance, Standards requirements	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
25.	IACUC	Report of the AVMA Panel on Euthanasia (R)	Federal	American Veterinary Medical Association	Research or teaching involving animal euthanasia	Training, protocol approvals, user approvals, records maintenance	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
26.	IACUC	Permitting for Scientific Collection and Endangered Species Laws (R) Permitting for Scientific Collection (R)	Federal State	US Fish and Wildlife Service Division of Fisheries and Wildlife, Commonwealth of MA	Collection or use of covered species	Licensing, records maintenance	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
27.	CSC	Department of Agriculture Regulations (transportation) (R)	Federal	Animal and plant Health Inspection Service	All shipping and receiving of research animals	Records submissions and maintenance, health assurances	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian
28.	CSC	Controlled Substance Act (S)	Federal	Drug Enforcement Administration United States Department of Justice	Use of controlled substances	Records maintenance, licensing, regulated inventories, legal witness disposal and waste handling	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian

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29.	CSC	MA Controlled Substances MA General Laws Chapter 94C (S)	State	Department of Public Health Division of Food and Drugs	Use of controlled substances	Records maintenance, licensing, regulated inventories, legal witness disposal and waste handling	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir. • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian
30.	IACUC	National Institute of Occupational Safety and Health Guidelines for Preventing Asthma in Animal Handlers (R)	Federal	Department of Health and Human Services	Research or teaching involving rodents		<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
31.	IACUC	Occupational Health and Safety in the Care and Use of Research Animals (R)	Federal	Public Health Service	Research or teaching involving all vertebrate animals or unfixed animal tissue	OHP program maintenance, risk assessments, user approvals, training	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
32.	IACUC	Guide for the Care and Use of Mammals in Neuroscience (R)	Federal	National Research Council	Research or teaching involving all vertebrate animals	Training, protocol approvals, record maintenance	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
33.	IACUC	Guidelines for the use of Fishes in Research (R)	Federal	American Fisheries Society	Research and teaching involving fish	Training, protocol approvals, record maintenance	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC

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34.	IACUC	Guidelines for Use of Live Amphibians and Reptiles in Field Research (R)	Federal	American Society of Ichthyologists and Herpetologists	Research and teaching involving amphibians and reptiles	Training, protocol approvals, record maintenance	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
35.	IACUC	Guidelines to the Use of Birds in Research (R)	Federal	The Ornithological Council	Research and teaching involving birds	Training, protocol approvals, record maintenance	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
36.	IACUC	Guidelines for the Capture, Handling, and Care of Mammals (R)	Federal	The American Society of Mammalogists	Research and teaching involving mammals	Training, protocol approvals, record maintenance	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Animal Care and Use Program, Animal Care Facility Manager; Consulting Veterinarian • Smith College IACUC (Institutional Animal Care and Use Committee)
37.	CSC	Endangered Species Act (S)	Federal	US Fish and Wildlife Service	Research or teaching involving listed species, including collections	Appropriate documentation to prove species was in possession before 1973	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir.
38.	CSC	Migratory Bird Act of 1917 (S)	Federal	US Fish and Wildlife Service	Research or teaching involving listed species, including collections	Appropriate documentation required for possession, collection maintenance, or transferal	<ul style="list-style-type: none"> • M. Lamb, Adm. Dir., CSC • CSC Office of Environmental Health & Safety, M. Rakas, Lab., Safety & Compli. Serv.-Dir.