Section	Section 1: Policy and Program		
1.	Does written policy clearly define the responsibilities and activities	1) 10 CFR 20.1101(a)	
	needed for program implementation?	2) NPR 1800.1, §4.6.2a	
		3) ANSI Z136.1 §5.1	
		4) IEEE/ANSI C95.7 §1.3; 4.1	
		5) SOW §3.B; 4.B	
2.	Are there provisions for review and evaluation of the radiation safety	1) 10 CFR 20.1101(c); 20.2102(2);	
	program?	21.21(a)	
		2) NPR 1800.1, §4.6.2a	
		3) ANSI Z136.1 §1.3.2.3; §1.3.2.8; §5.1(1)	
		4) IEEE/ANSI C95.7 §4.6; 4.1.2.1(l)	
		5) ANSI/AIHA Z10-2005 §6.3	
		6) SOW §3.B; 4.C	
3.	Does the Center have a Radiation Safety Committee?	1) 29 CFR 1910.1096	
		2) 10 CFR 33.13(c)(1); 33.13(c)(3)(iii)	
		3) ANSI Z136.1 §5.1(1); §D3	
		4) IEEE/ANSI C95.7 §3.1.36; Table 3; 4.1.5	
		5) SOW §4.C	
4.	Do other recent inspection findings indicate compliance with	1) NPD 1800.2A §(5)(d)	
	regulations?	2) 10 CFR 19.11(a)(4)	
		3) 29 CFR 1910.97	
		4) 21 CFR 1020.30, 31, and 40	
		5) ANSI Z136.1; Z136.6	
		6) IEEE Std.C95.1-1999	
		7) IEEE/ANSI C95.7 §4.6.2; 4.1.2.1(l)	
		8) SOW 3.B; 4B	

Requirements Color Code:

5.	Have deficiencies from previous inspections been corrected?	1) NPD 1800.2A §(5)(d)
		2) ANSI Z136.1 §D1.6
		3) IEEE/ANSI C95.7 §4.1.3
		4) 21 CFR 1020.30, 31, and 40
		5) 10 CFR 19.11(e)
Staff		
6.	Is there a full-time manager of the radiation safety program?	1) NPR 1800.1, §4.6.3.c.
		2) 10 CFR 34.42
		3) ANSI Z136.1 §1.3.1
		4) IEEE/ANSI C95.7 §1.3; 4.1.2.1
		5) SOW §4.C
7.	Is the manager of the radiation safety program for the center a Health	1) NPR 1800.1, §2.1.3.1a
	Physicist?	2) ANSI Z136.1 §D1.1
		3) IEEE/ANSI C95.7 §1.3; 3.1.38; 4.1.2.1
		4) SOW §4.D
8.	Does the radiation safety program manager attend or participate in	1) NPR 1800.1, §2.1.3.1b; 4.2.2.b.; 4.3.2.a.
	professional development meetings or societies?	2) ANSI Z136.1 §3.1; §5.2(2);5.3; §5.3.2.1;
		Table D1
		3) IEEE/ANSI C95.7 §A.2
9.	Does the Center finance meeting expenses for the manager of the	1) NPR 1800.1, §2.1.3.2a
	radiation safety program?	2) 29 CFR 1960.6(c)
10.	Is the Center's radiation safety support staff given the opportunity to	1) NPR 1800.1, §2.1.3.3d & e
	attend or participate in professional development meetings or societies?	2) ANSI Z136.1 §3.1; §5.3.2.1; Table D1
		3) IEEE/ANSI C95.7 §A.2
		4) SOW §4.D
11.	Does the Center finance meeting expenses for radiation safety support	1) NPR 1800.1, §2.1.3.1b
	personnel?	2) 29 CFR 1960.6(c)
		3) SOW §4.D

Requirements Color Code:

12.	Is a reference library available to Center radiation safety personnel?	1) 29 CFR 1960.7(c)(6)
		2) NPD 1820.1B 5 e
		3) NPR 1800.1 §2.1.3.1(d); 4.2.2 (b); 4.3.2
		(a)
Facili	ties	
13.	Is there adequate floor space for: assigned personnel, equipment,	1) 29 CFR 1960.6(b)(2) & 1960.7(c)(3)
	records, and materials and waste storage?	2) NPR 1800.1 4.2.2 b ; 4.3.2 a
		3) ANSI Z10 3.1.3B
		4) SOW §3.B; 4.C
		5) 10 CFR 20.1101(b); 30.33(a)(2);
		30.35(g)
		6) 29 CFR 1960.6(c); 1910.1020(d)(1)(i)
		7) ANSI Z136.1 §D1.5, E.4-5
14.	Are there operations on Center that require facility radiation safety	1) 10 CFR 19, 20, 34, and 36
	measures, such as: X-ray, gamma ray, LASER, RFR, etc. that required	2) 29 CFR 1910.97
	facility radiation safety measures?	3) 29 CFR 1926.54
		4) 29 CFR 1910.1096(e)(3)(ii)
		5) NPR 8715.3 §6.16
		6) ANSI 43.3-1993
		7) ANSI/HPS N43.5-2005
		8) ANSI Z136.1-136.6
		9) IEEE/ANSI C95.7
		10) SOW §3.B; 4.C
15.	Is there a specially designated area for the receipt and checking of	1) 10 CFR 20.1906
	radioactive material?	2) SOW §4.C
16.	Does receipt area have adequate monitoring equipment to conduct	1) 10 CFR 20.1301
	inspections?	2) 20 CFR 20.1906(b)
		3) SOW §4.C

Requirements Color Code:

17		1) 10 CED 20 1701
1/.	Does Center activity require use of hood (s) or glove boxes for	1) 10 CFR 20.1701
	radioactive material work?	2) 29 CFR 1910.1450(e)(3)(viii)(B)
		3) SOW §3.B;
18.	Is airflow and shielding on hoods and/or glove boxes monitored	1) 10 CFR 20.1701
	periodically?	2) SOW §3.B; 4.C
Equip	ment	
19.	Are dosimeters available to monitor personnel ionizing radiation	1) 29 CFR 1910.1096(d)(2)
	exposure?	2) SOW §4.C
20.	Are counters used to monitor personnel contamination?	1) 29 CFR 1910.1096(d)(2)
		2) SOW §4.C
21.	Are radiation meters available for area monitoring?	1) 10 CFR 20.1501
		2) SOW §4.C
22.	Are contamination survey meters available for personnel monitoring?	1) 29 CFR 1910.1096 (d)(2)
		2) SOW §4.C
23.	Are there ionizing radiation air sampling devices?	1) 10 CFR 20.1501
		2) NRC Regulatory Guide 8.25
		3) SOW §3.B &C 4.C
24.	Are there personnel ionizing radiation air sampling devices?	1) 29 CFR 1910.1096(d)(2)
		2) SOW §4.C
25.	Are laboratory counting systems available for evaluating radioactive	1) 10 CFR 20.1501
	samples?	2) SOW §4.C
26.	Are their any field-portable radionuclide analyzers?	1) SOW §4.C
27.	Are decontamination supplies available for radioactive material?	2) ANSI/HPS 13.12-1999
		3) 29 CFR 1910.1450(e)(3)(viii)(D)
Training		

Requirements Color Code:

28	Is radiation safety training required for users of radioactive materials	1) 10 CFR 19 12
20.	radiation producing machines. PE radiation emitters, I A SEP radiation	2) NDP 8715 3 84 4 2: 6 16 5
	amitters, and/or UV/IP radiation emitters?	2) INTR 0715.5 §4.4.2, 0.10.5 3) 20 CEP 1026 54
	ennuers, and/or O V/IX radiation ennuers?	$\begin{array}{c} 3) 29 \text{ CFR } 1920.34 \\ 4) 20 \text{ CFP } 1010 \ 1006(\text{i})(2) \end{array}$
		(4) 29 CFK 1910.1090(1)(2) (5) ANSI 7126 1 85, 8D6
		$\begin{array}{c} \text{S} \\ $
		6) ANSI/ASSE Z490.1-2001
		7) ANSI/HPS N13.36-2001
		8) ANSI/ASSE Z490.1-2001
		9) NRC Regulatory Guide 8.29 and 8.13
		10) IEEE/ANSI C95.7 §Annex A
		11) IEEE Std.C95.1-1999 §4.1.1(a)(2)
29.	Is training accomplished by classroom instruction, videotape, one-on-	1) ANSI/ASSE Z490.1-2001
	one, and/or computer based?	
30.	Is training conducted by Center radiation staff, user organizational	1) ANSI Z136.1 §5.3.1-2
	supervisors, and/or outside sources?	2) ANSI/ASSE Z490.1-2001
31.	Is radiation safety training that is given to employees documented?	1) STD 01-05-001-PUB 8-1.7
		2) ANSI/HPS N13.36-2001
		3) ANSI/ASSE Z490.1-2001
32.	Does the radiation safety training given to employees cover state,	1) 10 CFR 19.12; 30.32 (i)(3)(x)
	federal, and Center regulations, use of monitoring equipment,	2) 21 CFR 1040
	procedures for radiation work, wearing of protective clothing and	3) NRC Regulatory Guides 8.13 and 8.29
	devices, the meaning and requirements for radiation, signs and symbols	4) ANSI Z136.1 §5.3.2.2; §D6; §Table D1
	used at work, and/or potentially required emergency actions?	5) ANSI/ASSE Z490.1-2001
33.	Is radiation training provided periodically?	1) 10 CFR 19.12
		2) 29 CFR 1926.54
		3) 29 CFR 1910.1096(i)(2); 1910.1450(f)(2)
		4) ANSI Z136.1 §D6.3
		5) ANSI/ASSE Z490.1-2001
Proce	dures	

Requirements Color Code:

Regulatory
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OH Statement of Work

24		1) 00 CED 1010 $100 c(')(2)$
34.	Does the Center have written radiation use/authorization procedures for	1) 29 CFR 1910.1096(1)(3)
	work involving radiation emitters?	2) 10 CFR 20.1101(a)
35.	Are Use/Authorization procedures approved by management members	1) NPR 1800.1, §4.6.3(c)
	who are specified in Center policy?	2) ANSI Z136.1 §5.3.
36.	Do radiation Use/authorization procedures address: authorized radiation	1) 10 CFR 20.1801&1802
	emitters and approved use/storage locations: applicable operating	2) 10 CFR 36.53
	procedures/licenses, and/or medical examination requirements?	3) ANSI Z136.1 §D1.8
37.	Do radiation Use/authorization procedures identify authorized use	1) 29 CFR 1910.1096(a)(3)
	personnel?	2) ANSI Z136.6 §`4.4; ANSI Z136.1 §4.4.4
38.	Do radiation Use/authorization procedures provide protection guidance	1) 10 CFR 20.1301
	and hazard evaluations?	2) NPR 8715.3 §6.16;
		3) ANSI Z136.1 §3.1; 3.4 – 4.1.1.3; 4.4.1;
		D4.3; 7
		4) SOW §4.C
39.	Do radiation Use/authorization procedures address control provisions	1) 29 CFR 1910.1096
	for radiation control areas (Ionizing/non-ionizing), operational and	2) 10 CFR 20.2102
	emergency notification posting and labeling, inventory/accountability,	3) 10 CFR 20.1902
	radiation protection devices (interlock/light/audible warning systems),	4) NPR 8715.3 §6.16
	required utilization logs, dosimetry, and/or source leak test equipment?	5) ANSI Z136.1 & Tables 10 and 11a-c:
		Appendix C1-3 & F1-3.3
		6) ANSI N43.3-1993
40	Does Center implementing guidance include: how to request use of	1) NPR 1800 1 $84.6.2(a)$
	radiation emitters on Center: an outline of what information is needed to	2) NPR 8715 3 86 16
	process a use authorization request: definition of duties for the Center	3) ANSI 7136184 : D1: F3
	Process a use automation request, definition of dates for the center	A) A0 CFR 172 Subpart H
	nation barety officer and support start, notification requirements	5) 10 CEP 20 1006 and 871.5
	pertaining to radioactive material sinpping and receiving,	3) 10 CFR 20.1700 and $g/1.3$
	nouncation/approval requirements to modify operational procedures,	
	make changes to radiation emitters, and personnel; who to notify in the	
	event of a radiation emitter emergency or personnel overexposure?	

Requirements Color Code:

41.	Does the Center radiation safety program have management plans to	1)	NPR 1800.1, §4.6.2(a)
	cover schedules and methods used to survey facilities; evaluation of	2)	21 CFR 1000.55
	survey results for possible trend detection and/or corrective action;	3)	IEEE Std.C95.3-2002 §4.2.1.2
	operational check and calibration procedures for survey and counting	4)	ANSI Z136.1 §4.2; 5.2(4)
	equipment; detailed methods for decontamination of personnel;	5)	ANSI N323A-1997
	collection, organization, and retention of radiation protection records;	6)	ANSI/HPS N13.6-1999
	safety analysis methodology to establish hazards involved in new	7)	ANSI N13.49-2001
	radiation operations; and notification and response procedures for	8)	ANSI/HPS N43.2-2001
	emergencies?	9)	SOW §3.B & C
Surve	illance		
42.	Are personnel dosimetry results collectively compiled and reviewed for	1)	10 CFR 20.2102
	trends?	2)	ANSI/HPS N13.6-1999
		3)	NRC Regulatory Guide 8.34
		4)	SOW §3.C
43.	Are investigative action levels identified?		
Sectio	on 2: Records		
44.	Does the Center Radiation Officer, Radiation Safety Committee, or		
	others review the dosimetry data?		
45.	Does the employee's individual ionizing radiation exposure form	1)	29 CFR 1910.1096(n)(1)
	include previous and present exposure history?	2)	SOW §4.C
46.	Are copies of ionizing radiation exposure records given to workers upon	1)	29 CFR 1910.1096(o)(1)
	termination?		
47.	Is the local fire services organization provided with a periodic updated	1)	SOW §4.C
	listing of the Centers facilities that contain radioisotopes and the		
	quantity within each facility?		
48.	Are copies of Center radiation use authorizations maintained on file in	1)	10 CFR 20.2102
	the Center radiation safety office?	2)	ANSI Z136.1 §Appendix D1.5

Requirements Color Code:

49.	Does the Center radiation safety office maintain records on workplace	1) 10 CFR 20.2102
	radiation protection surveys; waste disposal; personnel monitoring,	2) 21 CFR 1000.55
	instrument calibration; air sampling; leak testing and accountability of	3) ANSI Z136.1 §Appendix D1.5
	instrument radioactive material calibration sources; NRC/State licenses;	4) IEEE Std.C95.3-2002 §4.5.8; 4.2.1.2
	other outside program/machine compliance audits; Center Radiation	5) SOW §4.C
	Safety Committee minutes?	
50.	For NRC/State radioactive material/x-ray machine licenses are current	1) 10 CFR 19.11
	copies available for: licenses, subsequent amendments, license	2) SOW §4.C
	correspondence, NRC/State license inspections, discrepancy	
	correspondence, and ionizing/non-ionizing accident/incident	
	investigations?	
Emergency Planning		
51.	Does the Centers emergency planning program include documented	1) 10 CFR 30.32 (i)(3)
	hazards, appropriate emergency actions, properly placed emergency	2) ANSI Z136.6 §Appendix A3-5
	response radiation instrumentation, delineated notification lists for	3) SOW §4.C
	Center management and regulatory agencies, emergency power	
	requirements for key instruments?	

Requirements Color Code: Regulatory

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