



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

October 28, 2011

CERTIFIED MAIL

Mr. Thomas Carpenter
Hanford Challenge
219 1st Avenue South, Suite 120
Seattle, Washington 98104

Dear Mr. Carpenter:

FREEDOM OF INFORMATION ACT REQUEST (FOI 2011-01870)

Your Freedom of Information Act (FOIA) request dated September 7, 2011, was received in this office on September 13, 2011. In that letter you requested any and all records related to or generated in connection with a letter dated July 7, 2011, transmitting a U.S. Department of Energy (DOE) surveillance report sent to Mr. J.G. Lehew subject "Contract No. DE-AC06-08RL14788 – Transmittal of Surveillance Report Planning and Execution of Radiological Work (S-11-SED-CHPRC-PFP-002)." Specifically you requested:

1. "Any and all correspondence related to or generated in connection with this letter and/or Surveillance Report, regardless of author."
2. "Any and all memoranda related to or generated in connection with this letter and/or Surveillance Report."
3. "Any and all emails related to or generated in connection with this letter and/or Surveillance Report."
4. "Any and all drafts of the Surveillance Report referenced above."
5. "Any and all notes related to or generated in connection with this letter and/or Surveillance Report."

This is our final response to your request and enclosed are documents responsive to both items 3 and 5. With the documents, this office has made certain deletions pursuant to Exemption 6 of the FOIA.

Exemption 6 provides that an agency may protect from disclosure all personal information if its disclosure would constitute a clearly unwarranted invasion of privacy by subjecting the individuals to unwanted communications, harassment, intimidation, retaliation, or other substantial privacy invasions by interested parties.

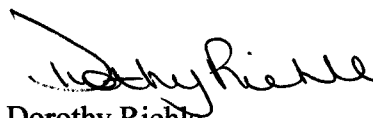
In invoking Exemption 6 we considered 1) whether a significant privacy interest would be invaded by disclosure of information, 2) whether release of the information would further the public interest by shedding light on the operations or activities of the government, and 3) whether in balancing the private interest against the public interest, disclosure would constitute a clearly unwarranted invasion of privacy. We have determined that the public interest in the identity of the individuals whose names appear in the documents does not outweigh the individuals' privacy interests.

We have conducted a thorough search for documents responsive to your request in locations where documents would most likely be found. This search was conducted by those within the agency who are most familiar with the subject matter. Specifically, we searched the files of DOE's Operations Oversight Division, DOE's Safety and Engineering Division and CH2M Hill Plateau Remediation Company including the following as requested: Ms. Brenda Pangborn, Mr. Joseph DeMers, Mr. Wayne Glines, Mr. Rick Jansons, Mr. Ed MacAlister, Mr. Ed Parsons, Mr. Kerry Schierman, Ms. Sandra Trine, Ms. Jenise Connerly, Mr. Roger Gordon, Mr. J.G. Lehew III, Mr. Curtis Bean, Mr. Tom Bratvold, Mr. M.V. Bang, Mr. V.M. Bogenberger, Mr. J.A. Cicucci, Mr. D.C. DelVecchio, Mr. R. M. Millikin and Mr. T.L. Vaughn.

All releasable information in the documents has been segregated and is being provided to you. The undersigned individual is responsible for this determination. You have the right to appeal to the Office of Hearings and Appeals, as provided in 10 CFR 1004.8, for any information denied to you or for the adequacy of our search. Any such appeal shall be made in writing to the following address: Director, Office of Hearings and Appeals (HG-1), U.S. Department of Energy, L'Enfant Plaza Building, 1000 Independence Avenue SW, Washington, D.C. 20585-1615, and shall be filed within 30 days after receipt of this letter. Should you choose to appeal, please provide this office with a copy of your letter.

If you have any questions regarding your request, please contact me at our address above or on (509) 376-6288.

Sincerely,



Dorothy Riehle
Freedom of Information Act Officer
Office of Communications
and External Affairs

OCE:DCR

Enclosures

Glines, Wayne

From: Baker, Steven C (PNNL)
Sent: Thursday, March 24, 2011 3:04 PM
To: Glines, Wayne
Cc: Rathbone, Bruce A; Hill, Robin L; Gateley, Dixie J; Baker, Steven C (PNNL)
Subject: FW: neut.xls
Attachments: neut.xls

Wayne,

In 2010, the Contractors were notified of 744 HSDs that recorded some neutron dose. Of those, 140 resulted in IODRs to modify the neutron dose; 1 from WRPS, 18 from PNNL, and 121 from CHPRC. Some of the doses were increased by the IODRs, and some of the IODRs were because the dosimeter was taken on trips and presumably exposed in transit or at airports. The majority though, were due to the HSD over-responding to neutrons at locations on the Hanford site. Here is the REX query results showing the before and after results of each IODR. Dixie has pulled examples from each company that I can give you if you'd like to see the basis each company uses in their IODRs and the type of documentation included.

Please let me know if you'd like to see the examples, if you'd like us to pull all of the IODRs, or if you need any other information.

Thanks.

Steve Baker

Technical Group Manager
Radiation & Health Technology Group
Pacific Northwest National Laboratory

From: Talbott, Eric F
Sent: Thursday, March 24, 2011 11:56 AM
To: Baker, Steven C (PNNL)
Cc: Gateley, Dixie
Subject: neut.xls

Attached is the list of neutron dose changes for 2010.

REX Id	Doc Number	Neut Before	Neut After	Company	
(b)(6)	10PN2010	0	70	PNNL	
	EDIR-10-211	328	110	CHPRC	2.98
	EDIR-10-205	175	58	CHPRC	3.62
	EDIR-10-189	404	81	CHPRC	4.99
	EDIR-10-135	127	42	CHPRC	3.02
	EDIR-10-143	61	20	CHPRC	
	EDIR-10-142	52	17	CHPRC	
	EDIR-10-202	307	154	CHPRC	1.99
	EDIR-10-222	25	8	CHPRC	
	EDIR-10-221	39	13	CHPRC	
	EDIR-10-220	31	10	CHPRC	
	EDIR-10-219	27	9	CHPRC	
	EDIR-10-237	103	34	CHPRC	3.03
	EDIR-10-213	125	25	CHPRC	5.00
	EDIR-10-210	337	113	CHPRC	2.98
	EDIR-10-185	430	86	CHPRC	5.00
	EDIR-10-194	365	182	CHPRC	2.00
	EDIR-10-276	24	8	CHPRC	
	EDIR-10-275	43	14	CHPRC	
	EDIR-10-274	34	11	CHPRC	
	EDIR-10-273	33	11	CHPRC	
	EDIR-10-206	286	96	CHPRC	2.98
	EDIR-10-209	202	68	CHPRC	2.97
	EDIR-10-281	0	1	CHPRC	
	EDIR-10-113	239	120	CHPRC	1.99
	EST-10-202	28	0	WRPS	
	EDIR-10-186	361	73	CHPRC	4.95
	EDIR-10-207	108	36	CHPRC	
	EDIR-10-271	49	16	CHPRC	
	EDIR-10-270	32	11	CHPRC	
	EDIR-10-269	32	11	CHPRC	
	EDIR-10-060	0	2	CHPRC	
	EDIR-10-060	2	1	CHPRC	
	EDIR-10-083	0	2	CHPRC	
	EDIR-10-083	2	1	CHPRC	
	P2011059	32	0	PNNL	
	EDIR-10-188	223	112	CHPRC	
	EDIR-10-141	35	12	CHPRC	
	EDIR-10-133	45	15	CHPRC	
	EDIR-10-140	33	11	CHPRC	
	P2011053	40	0	PNNL	
	EDIR-10-217	392	78	CHPRC	
EDIR-10-253	21	7	CHPRC		
EDIR-10-252	57	19	CHPRC		
EDIR-10-251	24	8	CHPRC		
P2011047	137	10	PNNL		

(b)(6)	EDIR-10-262	20	6 CHPRC
	EDIR-10-261	38	12 CHPRC
	EDIR-10-260	50	16 CHPRC
	EDIR-10-259	41	13 CHPRC
	EDIR-10-208	210	70 CHPRC
	EDIR-10-077	60	17 CHPRC
	EDIR-10-076	52	20 CHPRC
	EDIR-10-139	30	10 CHPRC
	EDIR-10-132	52	17 CHPRC
	EDIR-10-138	65	22 CHPRC
	P2011048	34	0 PNNL
	EDIR-10-177	334	167 CHPRC
	EDIR-10-031	132	66 CHPRC
	EDIR-10-228	33	11 CHPRC
	EDIR-10-227	45	15 CHPRC
	EDIR-10-226	21	7 CHPRC
	EDIR-10-033	129	64 CHPRC
	EDIR-10-049	160	80 CHPRC
	EDIR-10-225	45	15 CHPRC
	EDIR-10-224	54	18 CHPRC
	EDIR-10-223	20	3 CHPRC
	EDIR-10-200	203	102 CHPRC
	EDIR-10-178	217	109 CHPRC
	EDIR-10-176	31	0 CHPRC
	P2011046	39	0 PNNL
	P2011062	25	0 PNNL
	P2011057	69	0 PNNL
	P2011055	34	0 PNNL
	P2011056	23	0 PNNL
	EDIR-10-236	21	7 CHPRC
	EDIR-10-235	70	23 CHPRC
	EDIR-10-234	25	8 CHPRC
	P2011049	246	0 PNNL
	P2011060	54	20 PNNL
	P2011054	42	0 PNNL
	EDIR-10-171	240	120 CHPRC
	EDIR-10-149	329	165 CHPRC
	EDIR-10-170	520	287 CHPRC
	EDIR-10-201	296	148 CHPRC
	EDIR-10-190	201	101 CHPRC
	EDIR-10-047	326	163 CHPRC
EDIR-10-198	360	180 CHPRC	
EDIR-10-128	370	185 CHPRC	
EDIR-10-241	314	157 CHPRC	
EDIR-10-203	374	187 CHPRC	
EDIR-10-195	412	206 CHPRC	
EDIR-10-197	321	161 CHPRC	

(b)(6)	EDIR-10-121	202	101	CHPRC
	EDIR-10-086	90	45	CHPRC
	EDIR-10-085	165	83	CHPRC
	EDIR-10-204	25	0	CHPRC
	EDIR-10-174	30	0	CHPRC
	EDIR-10-175	21	0	CHPRC
	EDIR-10-196	276	138	CHPRC
	EDIR-10-199	206	103	CHPRC
	EDIR-10-048	204	102	CHPRC
	EDIR-10-193	305	153	CHPRC
	EDIR-10-187	238	119	CHPRC
	P2011058	20	0	PNNL
	EDIR-10-137	27	9	CHPRC
	EDIR-10-136	85	28	CHPRC
	EDIR-10-131	21	7	CHPRC
	EDIR-10-244	26	8	CHPRC
	EDIR-10-245	65	21	CHPRC
	EDIR-10-246	20	6	CHPRC
	EDIR-10-249	36	12	CHPRC
	EDIR-10-248	38	12	CHPRC
	EDIR-10-247	26	8	CHPRC
	EDIR-10-256	37	12	CHPRC
	EDIR-10-255	39	13	CHPRC
	EDIR-10-254	28	9	CHPRC
	EDIR-10-134	22	7	CHPRC
	EDIR-10-144	29	10	CHPRC
	EDIR-10-145	33	11	CHPRC
	EDIR-10-146	26	9	CHPRC
	EDIR-10-240	20	7	CHPRC
	EDIR-10-239	66	22	CHPRC
	EDIR-10-238	59	20	CHPRC
	EDIR-10-230	22	7	CHPRC
	EDIR-10-233	23	8	CHPRC
	EDIR-10-232	44	15	CHPRC
	EDIR-10-231	28	9	CHPRC
	EDIR-10-229	24	8	CHPRC
	EDIR-10-258	76	25	CHPRC
	EDIR-10-257	34	11	CHPRC
	EDIR-10-268	32	11	CHPRC
	EDIR-10-267	93	31	CHPRC
	EDIR-10-215	103	21	CHPRC
EDIR-10-212	139	28	CHPRC	
P2011045	33	0	PNNL	
P2011050	44	0	PNNL	
P2011051	38	0	PNNL	
P2011052	40	0	PNNL	
EDIR-10-214	103	21	CHPRC	

Counter = 140				
PL/SQL procedure successfully completed.				

2010 IODRS - HSD WITH MODIFICATION TO NEUTRON DOSE (ALL)

REX Id	Doc Number	Neut Before	Neut After	Ratio (Before/After)	Company
(b)(6)	10PN2010	0	70	0	PNNL
	EDIR-10-211	328	110	3.0	CHPRC
	EDIR-10-205	175	58	3.0	CHPRC
	EDIR-10-189	404	81	5.0	CHPRC
	EDIR-10-135	127	42	3.0	CHPRC
	EDIR-10-143	61	20	3.1	CHPRC
	EDIR-10-142	52	17	3.1	CHPRC
	EDIR-10-202	307	154	2.0	CHPRC
	EDIR-10-222	25	8	3.1	CHPRC
	EDIR-10-221	39	13	3.0	CHPRC
	EDIR-10-220	31	10	3.1	CHPRC
	EDIR-10-219	27	9	3.0	CHPRC
	EDIR-10-237	103	34	3.0	CHPRC
	EDIR-10-213	125	25	5.0	CHPRC
	EDIR-10-210	337	113	3.0	CHPRC
	EDIR-10-185	430	86	5.0	CHPRC
	EDIR-10-194	365	182	2.0	CHPRC
	EDIR-10-276	24	8	3.0	CHPRC
	EDIR-10-275	43	14	3.1	CHPRC
	EDIR-10-274	34	11	3.1	CHPRC
	EDIR-10-273	33	11	3.0	CHPRC
	EDIR-10-206	286	96	3.0	CHPRC
	EDIR-10-209	202	68	3.0	CHPRC
	EDIR-10-281	0	1	0.0	CHPRC
	EDIR-10-113	239	120	2.0	CHPRC
	EST-10-202	28	0		WRPS
	EDIR-10-186	361	73	4.9	CHPRC
	EDIR-10-207	108	36	3.0	CHPRC
	EDIR-10-271	49	16	3.1	CHPRC
	EDIR-10-270	32	11	2.9	CHPRC
	EDIR-10-269	32	11	2.9	CHPRC
	EDIR-10-060	0	2	0.0	CHPRC
	EDIR-10-060	2	1	2.0	CHPRC
	EDIR-10-083	0	2	0.0	CHPRC
	EDIR-10-083	2	1	2.0	CHPRC
	P2011059	32	0		PNNL
	EDIR-10-188	223	112	2.0	CHPRC
	EDIR-10-141	35	12	2.9	CHPRC
	EDIR-10-133	45	15	3.0	CHPRC
	EDIR-10-140	33	11	3.0	CHPRC
	P2011053	40	0		PNNL
	EDIR-10-217	392	78	5.0	CHPRC

2010 IODRS - HSD WITH MODIFICATION TO NEUTRON DOSE (ALL)

REX Id	Doc Number	Neut Before	Neut After	Ratio (Before/After)	Company
(b)(6)	EDIR-10-253	21	7	3.0	CHPRC
	EDIR-10-252	57	19	3.0	CHPRC
	EDIR-10-251	24	8	3.0	CHPRC
	P2011047	137	10	13.7	PNNL
	EDIR-10-262	20	6	3.3	CHPRC
	EDIR-10-261	38	12	3.2	CHPRC
	EDIR-10-260	50	16	3.1	CHPRC
	EDIR-10-259	41	13	3.2	CHPRC
	EDIR-10-208	210	70	3.0	CHPRC
	EDIR-10-077	60	17	3.5	CHPRC
	EDIR-10-076	52	20	2.6	CHPRC
	EDIR-10-139	30	10	3.0	CHPRC
	EDIR-10-132	52	17	3.1	CHPRC
	EDIR-10-138	65	22	3.0	CHPRC
	P2011048	34	0		PNNL
	EDIR-10-177	334	167	2.0	CHPRC
	EDIR-10-031	132	66	2.0	CHPRC
	EDIR-10-228	33	11	3.0	CHPRC
	EDIR-10-227	45	15	3.0	CHPRC
	EDIR-10-226	21	7	3.0	CHPRC
	EDIR-10-033	129	64	2.0	CHPRC
	EDIR-10-049	160	80	2.0	CHPRC
	EDIR-10-225	45	15	3.0	CHPRC
	EDIR-10-224	54	18	3.0	CHPRC
	EDIR-10-223	20	3	6.7	CHPRC
	EDIR-10-200	203	102	2.0	CHPRC
	EDIR-10-178	217	109	2.0	CHPRC
	EDIR-10-176	31	0		CHPRC
	P2011046	39	0		PNNL
	P2011062	25	0		PNNL
	P2011057	69	0		PNNL
	P2011055	34	0		PNNL
	P2011056	23	0		PNNL
	EDIR-10-236	21	7	3.0	CHPRC
	EDIR-10-235	70	23	3.0	CHPRC
	EDIR-10-234	25	8	3.1	CHPRC
	P2011049	246	0		PNNL
	P2011060	54	20	2.7	PNNL
	P2011054	42	0		PNNL
	EDIR-10-171	240	120	2.0	CHPRC
EDIR-10-149	329	165	2.0	CHPRC	
EDIR-10-170	520	287	1.8	CHPRC	

2010 IODRS - HSD WITH MODIFICATION TO NEUTRON DOSE (ALL)

REX Id	Doc Number	Neut Before	Neut After	Ratio (Before/After)	Company
(b)(6)	EDIR-10-201	296	148	2.0	CHPRC
	EDIR-10-190	201	101	2.0	CHPRC
	EDIR-10-047	326	163	2.0	CHPRC
	EDIR-10-198	360	180	2.0	CHPRC
	EDIR-10-128	370	185	2.0	CHPRC
	EDIR-10-241	314	157	2.0	CHPRC
	EDIR-10-203	374	187	2.0	CHPRC
	EDIR-10-195	412	206	2.0	CHPRC
	EDIR-10-197	321	161	2.0	CHPRC
	EDIR-10-121	202	101	2.0	CHPRC
	EDIR-10-086	90	45	2.0	CHPRC
	EDIR-10-085	165	83	2.0	CHPRC
	EDIR-10-204	25	0		CHPRC
	EDIR-10-174	30	0		CHPRC
	EDIR-10-175	21	0		CHPRC
	EDIR-10-196	276	138	2.0	CHPRC
	EDIR-10-199	206	103	2.0	CHPRC
	EDIR-10-048	204	102	2.0	CHPRC
	EDIR-10-193	305	153	2.0	CHPRC
	EDIR-10-187	238	119	2.0	CHPRC
	P2011058	20	0		PNNL
	EDIR-10-137	27	9	3.0	CHPRC
	EDIR-10-136	85	28	3.0	CHPRC
	EDIR-10-131	21	7	3.0	CHPRC
	EDIR-10-244	26	8	3.3	CHPRC
	EDIR-10-245	65	21	3.1	CHPRC
	EDIR-10-246	20	6	3.3	CHPRC
	EDIR-10-249	36	12	3.0	CHPRC
	EDIR-10-248	38	12	3.2	CHPRC
	EDIR-10-247	26	8	3.3	CHPRC
	EDIR-10-256	37	12	3.1	CHPRC
	EDIR-10-255	39	13	3.0	CHPRC
	EDIR-10-254	28	9	3.1	CHPRC
	EDIR-10-134	22	7	3.1	CHPRC
	EDIR-10-144	29	10	2.9	CHPRC
	EDIR-10-145	33	11	3.0	CHPRC
	EDIR-10-146	26	9	2.9	CHPRC
	EDIR-10-240	20	7	2.9	CHPRC
	EDIR-10-239	66	22	3.0	CHPRC
	EDIR-10-238	59	20	3.0	CHPRC
EDIR-10-230	22	7	3.1	CHPRC	
EDIR-10-233	23	8	2.9	CHPRC	

2010 IODRS - HSD WITH MODIFICATION TO NEUTRON DOSE (ALL)

REX Id	Doc Number	Neut Before	Neut After	Ratio (Before/After)	Company
(b)(6)	EDIR-10-232	44	15	2.9	CHPRC
	EDIR-10-231	28	9	3.1	CHPRC
	EDIR-10-229	24	8	3.0	CHPRC
	EDIR-10-258	76	25	3.0	CHPRC
	EDIR-10-257	34	11	3.1	CHPRC
	EDIR-10-268	32	11	2.9	CHPRC
	EDIR-10-267	93	31	3.0	CHPRC
	EDIR-10-215	103	21	4.9	CHPRC
	EDIR-10-212	139	28	5.0	CHPRC
	P2011045	33	0		PNNL
	P2011050	44	0		PNNL
	P2011051	38	0		PNNL
	P2011052	40	0		PNNL
	EDIR-10-214	103	21	4.9	CHPRC
Counter = 140					
PL/SQL procedure successfully completed.					

2010 IODRS - HSD WITH MODIFICATION TO NEUTRON DOSE (CHPRC)

REX Id	Doc Number	Neut Before	Neut After	Ratio (Before/After)	Company
(b)(6)	EDIR-10-223	20	3	6.7	CHPRC
	EDIR-10-217	392	78	5.0	CHPRC
	EDIR-10-213	125	25	5.0	CHPRC
	EDIR-10-185	430	86	5.0	CHPRC
	EDIR-10-189	404	81	5.0	CHPRC
	EDIR-10-212	139	28	5.0	CHPRC
	EDIR-10-186	361	73	4.9	CHPRC
	EDIR-10-215	103	21	4.9	CHPRC
	EDIR-10-214	103	21	4.9	CHPRC
	EDIR-10-077	60	17	3.5	CHPRC
	EDIR-10-262	20	6	3.3	CHPRC
	EDIR-10-246	20	6	3.3	CHPRC
	EDIR-10-244	26	8	3.3	CHPRC
	EDIR-10-247	26	8	3.3	CHPRC
	EDIR-10-261	38	12	3.2	CHPRC
	EDIR-10-248	38	12	3.2	CHPRC
	EDIR-10-259	41	13	3.2	CHPRC
	EDIR-10-134	22	7	3.1	CHPRC
	EDIR-10-230	22	7	3.1	CHPRC
	EDIR-10-222	25	8	3.1	CHPRC
	EDIR-10-260	50	16	3.1	CHPRC
	EDIR-10-234	25	8	3.1	CHPRC
	EDIR-10-254	28	9	3.1	CHPRC
	EDIR-10-231	28	9	3.1	CHPRC
	EDIR-10-220	31	10	3.1	CHPRC
	EDIR-10-245	65	21	3.1	CHPRC
	EDIR-10-274	34	11	3.1	CHPRC
	EDIR-10-257	34	11	3.1	CHPRC
	EDIR-10-256	37	12	3.1	CHPRC
	EDIR-10-275	43	14	3.1	CHPRC
	EDIR-10-271	49	16	3.1	CHPRC
	EDIR-10-142	52	17	3.1	CHPRC
	EDIR-10-132	52	17	3.1	CHPRC
	EDIR-10-143	61	20	3.1	CHPRC
EDIR-10-235	70	23	3.0	CHPRC	
EDIR-10-258	76	25	3.0	CHPRC	
EDIR-10-136	85	28	3.0	CHPRC	
EDIR-10-237	103	34	3.0	CHPRC	
EDIR-10-135	127	42	3.0	CHPRC	
EDIR-10-205	175	58	3.0	CHPRC	
EDIR-10-221	39	13	3.0	CHPRC	
EDIR-10-219	27	9	3.0	CHPRC	

2010 IODRS - HSD WITH MODIFICATION TO NEUTRON DOSE (CHPRC)

REX Id	Doc Number	Neut Before	Neut After	Ratio (Before/After)	Company
(b)(6)	EDIR-10-276	24	8	3.0	CHPRC
	EDIR-10-273	33	11	3.0	CHPRC
	EDIR-10-207	108	36	3.0	CHPRC
	EDIR-10-133	45	15	3.0	CHPRC
	EDIR-10-140	33	11	3.0	CHPRC
	EDIR-10-253	21	7	3.0	CHPRC
	EDIR-10-252	57	19	3.0	CHPRC
	EDIR-10-251	24	8	3.0	CHPRC
	EDIR-10-208	210	70	3.0	CHPRC
	EDIR-10-139	30	10	3.0	CHPRC
	EDIR-10-228	33	11	3.0	CHPRC
	EDIR-10-227	45	15	3.0	CHPRC
	EDIR-10-226	21	7	3.0	CHPRC
	EDIR-10-225	45	15	3.0	CHPRC
	EDIR-10-224	54	18	3.0	CHPRC
	EDIR-10-236	21	7	3.0	CHPRC
	EDIR-10-137	27	9	3.0	CHPRC
	EDIR-10-131	21	7	3.0	CHPRC
	EDIR-10-249	36	12	3.0	CHPRC
	EDIR-10-255	39	13	3.0	CHPRC
	EDIR-10-145	33	11	3.0	CHPRC
	EDIR-10-239	66	22	3.0	CHPRC
	EDIR-10-229	24	8	3.0	CHPRC
	EDIR-10-267	93	31	3.0	CHPRC
	EDIR-10-210	337	113	3.0	CHPRC
	EDIR-10-211	328	110	3.0	CHPRC
	EDIR-10-206	286	96	3.0	CHPRC
	EDIR-10-209	202	68	3.0	CHPRC
	EDIR-10-138	65	22	3.0	CHPRC
	EDIR-10-238	59	20	3.0	CHPRC
	EDIR-10-232	44	15	2.9	CHPRC
	EDIR-10-141	35	12	2.9	CHPRC
	EDIR-10-270	32	11	2.9	CHPRC
	EDIR-10-269	32	11	2.9	CHPRC
	EDIR-10-268	32	11	2.9	CHPRC
	EDIR-10-144	29	10	2.9	CHPRC
	EDIR-10-146	26	9	2.9	CHPRC
	EDIR-10-233	23	8	2.9	CHPRC
	EDIR-10-240	20	7	2.9	CHPRC
	EDIR-10-076	52	20	2.6	CHPRC
EDIR-10-033	129	64	2.0	CHPRC	
EDIR-10-194	365	182	2.0	CHPRC	

2010 IODRS - HSD WITH MODIFICATION TO NEUTRON DOSE (CHPRC)

REX Id	Doc Number	Neut Before	Neut After	Ratio (Before/After)	Company
(b)(6)	EDIR-10-060	2	1	2.0	CHPRC
	EDIR-10-083	2	1	2.0	CHPRC
	EDIR-10-177	334	167	2.0	CHPRC
	EDIR-10-031	132	66	2.0	CHPRC
	EDIR-10-049	160	80	2.0	CHPRC
	EDIR-10-171	240	120	2.0	CHPRC
	EDIR-10-201	296	148	2.0	CHPRC
	EDIR-10-047	326	163	2.0	CHPRC
	EDIR-10-198	360	180	2.0	CHPRC
	EDIR-10-128	370	185	2.0	CHPRC
	EDIR-10-241	314	157	2.0	CHPRC
	EDIR-10-121	202	101	2.0	CHPRC
	EDIR-10-086	90	45	2.0	CHPRC
	EDIR-10-196	276	138	2.0	CHPRC
	EDIR-10-048	204	102	2.0	CHPRC
	EDIR-10-187	238	119	2.0	CHPRC
	EDIR-10-203	374	187	2.0	CHPRC
	EDIR-10-195	412	206	2.0	CHPRC
	EDIR-10-199	206	103	2.0	CHPRC
	EDIR-10-149	329	165	2.0	CHPRC
	EDIR-10-197	321	161	2.0	CHPRC
	EDIR-10-202	307	154	2.0	CHPRC
	EDIR-10-193	305	153	2.0	CHPRC
	EDIR-10-113	239	120	2.0	CHPRC
	EDIR-10-188	223	112	2.0	CHPRC
	EDIR-10-178	217	109	2.0	CHPRC
	EDIR-10-200	203	102	2.0	CHPRC
	EDIR-10-190	201	101	2.0	CHPRC
	EDIR-10-085	165	83	2.0	CHPRC
	EDIR-10-170	520	287	1.8	CHPRC
EDIR-10-281	0	1	0.0	CHPRC	
EDIR-10-060	0	2	0.0	CHPRC	
EDIR-10-083	0	2	0.0	CHPRC	
EDIR-10-176	31	0		CHPRC	
EDIR-10-204	25	0		CHPRC	
EDIR-10-174	30	0		CHPRC	
EDIR-10-175	21	0		CHPRC	

2010 IODRS - HSD WITH MODIFICATION TO NEUTRON DOSE (CHPRC)

REX Id	Doc Number	Neut Before	Neut After	Ratio (Before/After)	Company
(b)(6)	EDIR-10-060	0	2	0.0	CHPRC
	EDIR-10-077	60	17	3.5	CHPRC
	EDIR-10-083	2	1	2.0	CHPRC
	EDIR-10-170	520	287	1.8	CHPRC
	EDIR-10-176	31	0		CHPRC
	EDIR-10-178	217	109	2.0	CHPRC
	EDIR-10-185	430	86	5.0	CHPRC
	EDIR-10-187	238	119	2.0	CHPRC
	EDIR-10-189	404	81	5.0	CHPRC
	EDIR-10-193	305	153	2.0	CHPRC
	EDIR-10-194	365	182	2.0	CHPRC
	EDIR-10-196	276	138	2.0	CHPRC
	EDIR-10-198	360	180	2.0	CHPRC
	EDIR-10-205	175	58	3.0	CHPRC
	EDIR-10-208	210	70	3.0	CHPRC
	EDIR-10-211	328	110	3.0	CHPRC
	EDIR-10-223	20	3	6.7	CHPRC
	EDIR-10-244	26	8	3.3	CHPRC
	EDIR-10-260	50	16	3.1	CHPRC
	EDIR-10-271	49	16	3.1	CHPRC