

**ORIGINAL**  
**UNITED STATES OF AMERICA**  
**NUCLEAR REGULATORY COMMISSION**

**Title:**           **BRIEFING ON MOX FUEL FABRICATION**  
**FACILITY LICENSING --**  
**PUBLIC MEETING**

**Location:**       **Rockville, MD**

**Date:**           **Friday, April 3, 1998**

**Pages:**          **1 - 40**

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1 UNITED STATES OF AMERICA  
2 NUCLEAR REGULATORY COMMISSION

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4 BRIEFING ON MOX FUEL FABRICATION  
5 FACILITY LICENSING

6 \*\*\*

7 PUBLIC MEETING

8 \*\*\*

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10 Nuclear Regulatory Commission  
11 Room 1F-16  
12 NRC White Flint Building 1  
13 11555 Rockville Pike  
14 Rockville, MD  
15 Friday, April 3, 1998  
16

17 The Commission met in open session, pursuant to  
18 notice, at 9:03 a.m., the Honorable SHIRLEY A. JACKSON,  
19 Chairman of the Commission, presiding.  
20

21 COMMISSIONERS PRESENT:

22 SHIRLEY A. JACKSON, Chairman of the Commission  
23 GRETA J. DICUS, Member of the Commission  
24 NILS J. DIAZ, Member of the Commission  
25 EDWARD McGAFFIGAN, JR., Member of the Commission

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1 STAFF AND PRESENTERS:

2 KAREN D. CYR, General Counsel

3 ANNETTE VIETTI-COOK, Assistant Secretary

4 HOWARD CANTER, Department of Energy, Director, Office of

: 5 Fissile Materials Disposition

6 MR. RHODES, Department of Energy, Office of Fissile

7 Materials Disposition

8 DAVE NULTON, Department of Energy, Office of Fissile

9 Materials Disposition

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## P R O C E E D I N G S

[9:03 a.m.]

CHAIRMAN JACKSON: Good morning. The Commission would like to welcome Mr. Howard Canter, Director of the Department of Energy's Office of Fissile Materials Disposition. The Commission also welcomes Mr. Nulton and Mr. Rhodes from that office.

This morning the Commission will be briefed on DOE's most recent plans to implement a program to provide for safe and secure storage of weapons-usable fissile materials, that is, plutonium and highly enriched uranium, and DOE's strategy for the disposition of surplus weapons-usable plutonium.

In December of 1996, DOE issued its final programmatic environmental impact statement on the storage and disposition of weapons-usable fissile materials. The Secretary of Energy announced the record of decision on this matter on January 14th, 1997. Shortly after the Secretary's announcement of DOE's record of decision, the Department briefed, on January 17th, 1997, the Commission on its plans.

In July of 1997, DOE issued a program acquisition strategy for selecting private sector organizations to assist in implementing the MOX fuel alternative. The Commission was briefed by DOE on that strategy document in September of last year.

1           Today the Commission will again be briefed by DOE  
2   on its most recent plans and schedules. The Commission is  
3   extremely interested in the strategies being considered by  
4   the Department of Energy on this topic because the program  
5   could affect facilities that the NRC already has licensing  
6   authority over such as commercial nuclear power reactors and  
7   the geologic high level radioactive waste repository, and  
8   the program potentially could extend NRC's regulatory  
9   authority over other facilities, such as the MOX Fuel  
10  Fabrication Facility, the subject of today's briefing.

11           So we look forward to hearing from you, and unless  
12  my colleagues have anything to add, please proceed, Mr.  
13  Canter.

14           MR. CANTER: Thank you very much, Madame Chairman.

15           What I would like to concentrate on today is the  
16  Department's approach and thoughts on the regulation of the  
17  Mixed Oxide Fuel Fabrication Facility.

18           I would like to discuss a little bit the planned  
19  contract structure, to put this in a framework. The  
20  proposed contract that we are going to issue a Request for  
21  Proposal on very shortly is a contract with a consortium  
22  that will consist of one of more reactor owners, a fuel  
23  fabricator, possibly a nuclear steam supply system supplier  
24  or someone else to design the fuel and, to the extent that  
25  it is needed, an architect engineering firm may be part of

1 the consortium.

2 It will consist of four phases, a base contract  
3 which will cover the facility design, license application, a  
4 lot of planning and preparation of documentation. That base  
5 contract would be a cost plus fixed fee or incentive fee  
6 type arrangement with the Department.

7 Option 1 is the period of time when the contractor  
8 would be defending the license application and reaching a  
9 point where construction could start and would cover the  
10 facility construction and the cold start-up. Construction  
11 would be done by the contractor letting contracts that are  
12 fixed price. The remaining work would be cost plus fixed  
13 fee.

14 Option 2 is the operating phase, which could run  
15 to in the neighborhood of 15 years. It would include hot  
16 start-up and full scale operations. In that particular  
17 case, since we have borne the cost of creating the asset,  
18 the Mixed Oxide Fuel Fabrication Facility, and any other  
19 modifications that have to be made even at the reactor  
20 sites, the operating phase, we think, would not be paid for  
21 by the government but would be a commercial venture run by  
22 this contractor for his utility partners that are part of  
23 the consortium, and would fabricate the fuel, which could  
24 conceivably either be cheaper or very close to the cost of  
25 the low enriched uranium fuel that it replaces.

1           Option 3 is the last phase where the contractor  
2 would deactivate the facility, removal all the special  
3 nuclear material and place the facility in a cold condition  
4 and turn it back to DOE, who would assume responsibility for  
5 decontamination and any further decommissioning that is  
6 required.

7           The next viewgraph, please.

8           This is the program schedule which covers the  
9 procurement and there is also an environmental impact  
10 statement that we have underway specifically to select the  
11 sites where the various activities for plutonium disposition  
12 would be conducted.

13           There are three major facilities that we intend to  
14 create. One is the mobilization capability. We have  
15 already designated the Savannah River site as the preferred  
16 site for that. And the other two we have not yet designated  
17 a preferred site. One is the Plutonium Pit Conversion  
18 Facility which would convert the metal from the plutonium  
19 pits into oxide, and the other is the Mixed Oxide Fuel  
20 Fabrication Plant, which is the subject really of today's  
21 discussion.

22           The candidate sites for those two are the Hanford  
23 site, Idaho, Savannah River and the Pantex site. We expect  
24 to issue a draft EIS in May and we will design the preferred  
25 sites for those two. We will go through a public comment

1 period through the summer, hold some public meetings.  
2 Finalize the EIS about the end of the year with a record of  
3 decision on the sites early next year, probably in the  
4 January time frame.

5           Regardless of which sites, we plan to proceed with  
6 the procurement. We expect very shortly to issue the  
7 Request for Proposal and that is going to somewhat -- how  
8 fast we can get that out depends to what extent on how much  
9 we have to revise it in order to accommodate the regulatory  
10 approach, and then allow 90 days for proposals to be  
11 prepared and then about 90 days for proposal evaluations to  
12 award of contract.

13           This would result in a contractor being on board  
14 and ready to start work late this year, which is early into  
15 fiscal 1999. We have money in our budget request for fiscal  
16 1999 for the contractor's work, including money to start  
17 Title 1 and Title 2 design of the facility which is needed  
18 to prepare any license applications. And, by the way, we  
19 also have, we think, allowed sufficient money to pay for any  
20 of the regulatory reimbursable activities that the NRC staff  
21 would undertake, to cover that. So we don't expect anything  
22 is going to be a free ride on this thing.

23           Next viewgraph.

24           Our initial approach, which was outlined in a note  
25 in our record of decision of January of last year,



1 basically, was based on submitting proposed legislation to  
2 the Congress to have the MOX Fuel Fabrication Facility NRC  
3 regulated. We had prepared to, and had several meetings  
4 with your staff and were planning to work jointly on  
5 developing this legislation and submitting it to Congress  
6 this month.

7 We thought that to get started, and to start work  
8 with the NRC staff, that we probably needed a Memorandum of  
9 Understanding in place this year so that people could start  
10 working on preparations, including revisions to Regulatory  
11 Guides or Standard Review Plans -- I know there is also  
12 going to be a significant revision to 10 CFR 70 -- and so  
13 that the various requirements and documents could be updated  
14 in preparation for this activity starting in fiscal '99.

15 We thought that we could Congressional approval of  
16 the legislation in the Defense Authorization Act by the  
17 beginning or early part of fiscal '99 and to have it in  
18 effect probably about the first of next year.

19 The next viewgraph shows a schedule for this, and  
20 it shows the beginning of NRC regulation, just about January  
21 1st or possibly a little earlier, depending on how quick we  
22 can all get ready for this.

23 The next viewgraph, please.

24 Based on a great deal of internal discussion in  
25 the Department, which has included the Under Secretary and

1 the Deputy Secretary, there is one major unresolved issue,  
2 and it really centers around whether or not we will get  
3 legislation this year. How do we get going in the event we  
4 do not have legislation, and do we need legislation? So  
5 there are many questions.

6 DOE wants to issue this RFP and desires to moves  
7 towards NRC regulation and licensing. The Deputy Secretary  
8 as very adamant upon this yesterday, that this will be a  
9 licensed facility. But we are in some difficulty because we  
10 can't issue the RFP without reaching some agreement on the  
11 NRC regulatory role and how it will start. The RFP has been  
12 prepared and it was totally approved, ready to go out the  
13 end of February on the basis of NRC being the regulator on  
14 this. However, we have got to make sure that we allow for  
15 this period of transition in the start-up period, so we will  
16 have to make some changes to that.

17 CHAIRMAN JACKSON: Well, I guess I am confused  
18 here. What caused you to back away? Was it a time issue?  
19 Some fundamental reconsideration within the DOE of having  
20 the facility regulated by NRC? You didn't feel that you  
21 could issue a RFP with a contingency clause? I guess,  
22 because there seems to have been a major shift, and I think  
23 we need to understand.

24 MR. CANTER: All right. The main concern is the  
25 Department was concerned about trying to submit proposed

1 legislation this year. We still want this to be NRC  
2 regulated. We want it to be a licensed facility. And the  
3 question was, how could we get started and shift to full NRC  
4 regulation and licensing without legislation this year?

5 CHAIRMAN JACKSON: Now, was the concern about it a  
6 time issue or a receptivity in the Congress issue?

7 MR. CANTER: I would say more the latter than the  
8 former.

9 CHAIRMAN JACKSON: What were the bases for what  
10 undergird that?

11 MR. CANTER: Well, there seems to be some  
12 difference opinion of which committees would have  
13 jurisdiction. The thought process originally was it would  
14 be in the Defense Authorization Act and that is your Armed  
15 Services Committee in the Senate and the House National  
16 Security Committee, but there are other committees involved,  
17 the Commerce Committee and the Environment Committee and so  
18 forth. And to what extent this could actually -- we could  
19 come out of it with what we were asking for, we  
20 collectively, or would we get back legislation that does  
21 things that we don't want to do, or wider issues or  
22 something on this.

23 So I think that it is prudent to say, okay, what  
24 happens is we don't get legislation this year, how do we get  
25 going on this?

1 CHAIRMAN JACKSON: But you talk about you can't  
2 issue a RFP in a timely manner without reaching agreement on  
3 NRC's regulatory role. So how do you get going?

4 MR. CANTER: Well, what we could do is revise the  
5 RFP that shows this transition period, and where we start  
6 off with the NRC in a technical role but, initially, if  
7 there's no agreement on the authority of the NRC yet to be  
8 the regulator, with DOE as the regulator, and with a  
9 transition period.

10 CHAIRMAN JACKSON: Well, I guess, you know, you  
11 mentioned a couple of things early on. You mentioned  
12 revisions to 10 CFR Part 70. Now, we have a rulemaking  
13 underway on Part 70. I don't know if you are referring to  
14 something beyond that. You mentioned developing Reg. Guides  
15 and Standard Review Plans.

16 The point I am making is these are fairly major  
17 activities from a resource expenditure perspective, both  
18 human and financial, in addition to any overall technical  
19 support. And I guess it may be comfortable for you, but  
20 there is an issue from the point of view of comfort for the  
21 NRC.

22 MR. CANTER: Dr. Paperiello has explained this to  
23 me in no uncertain terms. So I am fully aware of that. We  
24 go through some of the same problems. I said we would try  
25 to assist in any way. We can provide the funds. I have no

1 way of providing the NRC positions or FTE slots. I can  
2 provide the funds that would cover it.

3 I suggested to him that if the first step is to  
4 sit down with OMB, that we could certainly go with your  
5 staff to OMB and support the case on this and, hopefully,  
6 work something out. Because there is no free lunch on this  
7 thing, I understand that.

8 CHAIRMAN JACKSON: Well, are you looking for NRC  
9 to help DOE create a regulatory framework that looks like  
10 ours that DOE would implement? Or are you looking for NRC  
11 to help DOE create a regulatory framework in a pre-licensing  
12 sense? That's a very important issue.

13 MR. CANTER: It's in the pre-licensing sense, it's  
14 the latter.

15 CHAIRMAN JACKSON: And then there are any number  
16 of issues related to linkages in the larger foreign policy  
17 arena which I am sure Commission McGaffigan may wish to --

18 COMMISSIONER MCGAFFIGAN: I am not even going to  
19 touch on those.

20 [Laughter.]

21 COMMISSIONER MCGAFFIGAN: But could I just --

22 CHAIRMAN JACKSON: Please.

23 COMMISSIONER MCGAFFIGAN: The issue of the  
24 multi-committee jurisdiction is always going to be there.  
25 It's at the center of some of the discussions we have had



1 with others in DOE about external regulation, because  
2 whenever external regulation goes forward, I think there's  
3 at least three House committees, perhaps four, four House  
4 committees, I think, and three Senate committees that will  
5 want to kibitz.

6 So if there's -- how does that problem ever get  
7 solved? And the second part of my question is, if it isn't  
8 going to get solved, or the prospects aren't 100 percent,  
9 let's say, do you have to, in your RFP, include options that  
10 DOE will be the external regulator permanently? Even though  
11 you have the desire that is the opposite, if you see less  
12 than 100 percent chance of the Congress approving that, do  
13 you have to lay out in your RFP there are two options, one  
14 this transition plan you are about to present to us, and the  
15 other we never transition and we remain the regulator?

16 MR. CANTER: I think --

17 COMMISSIONER MCGAFFIGAN: We being DOE.

18 MR. CANTER: -- well, can do almost anything you  
19 want to with a Request for Proposal. What you need is  
20 something spelled out so that all offerers have a level  
21 playing field that they can make a proposal against. It is  
22 not desirable, but you could, once you have the contract in  
23 place, if the rules change, you could always negotiate a  
24 change. I am not in favor of that, because I would prefer  
25 that they understood up-front, when they are preparing their

1 proposals, what they are going to be faced with. And I  
2 think they would propose that also, if we want responsible  
3 contractors on this.

4 There will never been 100 percent probability that  
5 we are going to get exactly the legislation that we may  
6 desire. Nobody can guarantee that.

7 COMMISSIONER MCGAFFIGAN: Right.

8 MR. CANTER: So one of the questions, and I am not  
9 an attorney, so I am just a stupid engineer, is to what  
10 extent do we really need legislation? And this resulted in  
11 a rather lengthy session yesterday. I think one of the  
12 things we have to do is get both of our offices of General  
13 Counsel together with some people with some creative  
14 thought, to possibly think out of the box a little bit and  
15 take a look at what is there so we can reach agreement.

16 COMMISSIONER MCGAFFIGAN: I have a comment on  
17 that.

18 MR. CANTER: I am sure there will be plenty of  
19 comment on it.

20 COMMISSIONER MCGAFFIGAN: No, just the idea. I  
21 don't think you do something this significant --

22 MR. CANTER: Yes.

23 COMMISSIONER MCGAFFIGAN: -- by creatively trying  
24 to get around the Congress. I mean I think you -- some of  
25 these provisions, like 42 USC 7272, are potentially

1       ambiguous. But as a former Congressional staffer, --

2               MR. CANTER: I understand.

3               COMMISSIONER MCGAFFIGAN: -- my advice to you  
4       would be to take the Congressional interpretation of those  
5       provisions and not try to get an out of the box  
6       interpretation because --

7               CHAIRMAN JACKSON: I agree.

8               COMMISSIONER DIAZ: And also being engineers, we  
9       are kind of on equal terms in here.

10              [Laughter.]

11              COMMISSIONER DIAZ: I kind of fail to see how,  
12       after we prepare to really be very, very prompt and  
13       responsive to DOE positions, we have all this work, how it  
14       can be said that timeliness might be better when we no  
15       longer can use the base where we were going. And also, if  
16       we look at what Commissioner McGaffigan was saying, which it  
17       does not mean that it is going to have be an inscrutable  
18       process, all of a sudden, by changing around, we might put  
19       the entire program in a different light. And I don't see  
20       how we are going to make things more expedient by changing  
21       at the very last minute, or make it more scrutable.

22              MR. CANTER: Well, we are in the process of, and  
23       we have identified significant changes to this Request for a  
24       Proposal to show this process where we start off with DOE  
25       and NRC in a technical assistance role, and a review role,

1 and a transition to full NRC regulation. I think we have to  
2 inform the industry of the fact that that is the reality  
3 here, because there won't be, by the time they start, a full  
4 process in place for NRC regulation.

5 The Department does want to go to NRC regulation  
6 on this. And the other things is we don't want to mix it up  
7 with the much wider issue of external regulation of DOE. It  
8 is not -- this is not a pilot project or something having to  
9 do with that program, although there will be a lot that is  
10 learned out of this from that program.

11 There are significant differences. Some of the  
12 reasons are that it is a private contractor, not a M and O  
13 contractor. We have even looked at such issues as who would  
14 own the facility. We have some options there. We can even  
15 consider the idea of leasing the facility, once it is  
16 created, back to the contractor, and a number of things to  
17 make this very clear how this would work, and very clear who  
18 has the NRC authority.

19 I agree with Commission McGaffigan that we do not  
20 want to end run the Congress on this thing. There is  
21 significant interest in the Congress. A number of the staff  
22 members have contacted me and they may be off writing their  
23 own legislation on this. In fact, I know, I think, of one  
24 case on the Senate side where they may be doing that right  
25 now.

1 COMMISSIONER MCGAFFIGAN: Could I follow?

2 CHAIRMAN JACKSON: Please.

3 COMMISSIONER MCGAFFIGAN: Every time you say  
4 something, it rings another questions. If somebody in the  
5 Congress is writing their own legislation and planning to  
6 tuck it in the Defense Authorization Bill, do we need to  
7 continue the discussions that have now been laid aside, as I  
8 understand it, on the legislative proposal so that we have  
9 jointly something to react with? Should it -- I mean  
10 Congress can make things viable that you all -- that we all  
11 think aren't viable, by just stepping out and doing it.

12 MR. CANTER: I think we need to go ahead and  
13 develop what we would want. And I think that is very  
14 important because sooner or later, even if it is initiated  
15 from the Hill, there will be some draft language that we are  
16 asked to comment on, informally, in many different methods.  
17 It would be good that we had a joint approach so that any  
18 comments that are provided back to the writers -- we are  
19 often asked for writing assistance on legislation, so that  
20 there is no fundamental disagreement between the NRC and  
21 DOE.

22 CHAIRMAN JACKSON: Right. Except the one thing  
23 that I note that is missing in the revised approach is any  
24 reference to draft legislation. It seems to be one wants to  
25 get started with activity without also at least



1 concomitantly working on a parallel path of developing  
2 putative legislation. I mean I don't see how one can come  
3 around it. I mean you have heard from all of us in that  
4 regard.

5 So the issue is, what is the meaning of the fact  
6 -- the revised approach? One sees no reference to that, but  
7 yet there is discussion about phasing in NRC regulation.  
8 The plan -- is embodied in that plan, the development of  
9 draft legislation? I am looking at the next viewgraph, I  
10 have jumped ahead, actually.

11 MR. CANTER: Well, if you look at the subtext, it  
12 is under there, and that was to resolve the uncertainties on  
13 the scope of existing authorities, and that is to reach  
14 agreement on to what extent, and exactly what is needed for  
15 additional legislation to resolve the issues.

16 CHAIRMAN JACKSON: Have there been discussions? I  
17 mean has your General Counsel contacted -- Karen, have you  
18 been contacted?

19 MS. CYR: No.

20 MR. CANTER: I think there's probably considerable  
21 disagreement internally in the Department of Energy on what  
22 is needed. So we are really not ready to rush out and try  
23 to pull something together to be submitted this month.  
24 That's really one of the problems here.

25 CHAIRMAN JACKSON: Well, I think there are two

1 pieces here. I think one has to do with, as you are  
2 outlining, activity. The other piece is what undergirds  
3 that activity. And while one is not necessarily looking to  
4 rush out, because it is not something that one can rush out  
5 and do, I agree with my colleagues here that the process has  
6 to be scrutable, and part of that scrutability is kind of an  
7 up-front dealing with what the legislative issues would seem  
8 to be.

9 If there is any hope, if one wants to pursue this  
10 line, of having it go through the Congress and having it  
11 supported even in budget space, then it has to be done on  
12 the basis of having a clean approach, it seems to me.

13 MR. CANTER: Yes, I agree with you.

14 Since we are on that sheet, what we would be doing  
15 here is, initially, DOE would be starting out with the NRC  
16 in this, though a MOU, providing a lot of technical support,  
17 and review and assistance.

18 One of the things that we are concerned about is  
19 dual regulation and dual oversight. In fact, there is even  
20 the potential for triple oversight here if we are not  
21 careful and plan this out properly between DOE exercising a  
22 degree of oversight, the NRC staff providing some oversight,  
23 and maybe even the Defense Board. And I think that would be  
24 a lot of confusion and, essentially, a disaster if we had  
25 that.

1           So we want to plan this out properly. We want to  
2   apply NRC standards. And we want to only supplement that  
3   with any DOE requirements if there is a gap in the NRC  
4   standards or something that isn't covered.

5           CHAIRMAN JACKSON: Would NRC standards be applied  
6   at the very beginning of the project?

7           MR. NULTON: Yes.

8           MR. CANTER: Yes.

9           CHAIRMAN JACKSON: And would DOE apply the new  
10   Part 70 to the facility?

11          MR. CANTER: Yes. That's our plan.

12          COMMISSIONER DIAZ: But how is that consistent  
13   with your first statement? Your first statement appears to  
14   be that we would only provide advice, technical review and  
15   assistance. How is that consistent with, you know, we being  
16   the regulator? That's the bottom line.

17          MR. CANTER: Well, it would set it up so that we  
18   could transition to DOE pulling out of any regulatory role  
19   and the NRC being the regulator. We would like to make this  
20   so that the transition is seamless whenever it occurs, if  
21   possible.

22          I don't want to do things that then have to be  
23   undone or done over. I think that would be very wasteful.

24          We will -- DOE can apply the NRC standards, even  
25   if DOE starts out as the regulator. In fact, the Congress

1 gave us a little help on that last year when they, in the  
2 Conference Report on the Appropriations, said any facility  
3 constructed after the year 2000 will be designed and built  
4 to NRC licensing standards. They didn't say to be NRC  
5 licensed.

6 COMMISSIONER DIAZ: And do you intend to comply  
7 with that directive?

8 MR. CANTER: Yes.

9 COMMISSIONER DIAZ: Including the MOX Facility?

10 MR. CANTER: Yes. In fact, one of the things that  
11 would be very helpful is we are not familiar with what the  
12 revisions to 10 CFR 70 are and if we could have that made  
13 available to us, it would help us plan.

14 CHAIRMAN JACKSON: Yes?

15 COMMISSIONER McGAFFIGAN: Just as disclosure for  
16 you on that, I think all of us routinely have an industry  
17 group led by NEI come in and see us about their concerns  
18 with where the staff may be headed on the Part 70 revision.  
19 So it may not be an absolutely straightforward process. The  
20 last meeting I had, the word train wreck came up.

21 The other point is that the industry group, this  
22 NEI-led group, wants MOX treated separately, as maybe a  
23 subpart of Part 70, but they don't want to mix the MOX with  
24 their facilities. They want whatever is going to apply to  
25 MOX to be off on the side.

1 I don't know what the staff's view is, I am sure  
2 they have heard this from the industry. So the Part 70  
3 rewrite, as just a matter of disclosure, is not going to be  
4 a straightforward process. There will be a lot of comment  
5 on the staff proposal, a lot of negative comment if it is as  
6 the industry understands it at the current time. So just so  
7 you understand that.

8 MR. CANTER: I understand that, and I think we --

9 CHAIRMAN JACKSON: Well, I have slightly revised  
10 point of view, I call it just part of the rulemaking  
11 process.

12 MR. CANTER: Yes. And we had assumed, based on  
13 the brief discussions we have had with your staff, that this  
14 Part 70 rulemaking is going to be at least a year. Right.  
15 And you start off with what you have and then, when it gets  
16 revised, you shift over to it.

17 I also understand from your staff that you are  
18 going through the Part 70 rulemaking whether or not the MOX  
19 plan was involved, it's not specifically for this.

20 COMMISSIONER MCGAFFIGAN: That's right.

21 MR. CANTER: So you need it for your other work.

22 The next sheet is just another pictorial and at  
23 the bottom is this revised approach where there's --

24 CHAIRMAN JACKSON: But I notice there is no  
25 breakpoint in that line.



1 MR. CANTER: Because we don't know when there  
2 would be a breakpoint, and so I didn't know where to put it,  
3 so I used some creative art work here.

4 CHAIRMAN JACKSON: Very creative.

5 MR. CANTER: As a soon as possible, as far as I am  
6 concerned.

7 The features in this are DOE would have initial  
8 responsibility for regulation. It does provide more time to  
9 obtain adequate NRC staffing for, -- you know, to get your  
10 -- your rulemaking would proceed, maybe not be totally done,  
11 but be substantially down the pike, and for your staff to  
12 review, update Regulatory Guides, Standard Review Plans and  
13 such other documents.

14 We need to establish the regulatory authority  
15 structure, public involvement and resources. This is one of  
16 the interesting aspects. When people talk about DOE  
17 regulating, we do not have an established public process to  
18 use. So when you start to say what public process would we  
19 use, we want a public process. It has got its pros and  
20 cons, but we think it is of value. And so, you know, that's  
21 why we are so anxious to shift it over as quick as possible,  
22 so we can, at the appropriate time, have it.

23 I would much rather have that than have some ad  
24 hoc process thrown together by DOE without an established  
25 mechanism and rules and so forth like you have. This

1 Request for a Proposal would be revised to accommodate this.

2 There is one aspect of this that I think is  
3 interesting and might enter into some of your thought  
4 process. The material will be declared no longer -- in  
5 fact, it already has been declared no longer required for  
6 defense purposes, and it would be transferred to the  
7 contractor, title to it, upon delivery. So the question is,  
8 is this even a defense activity?

9 COMMISSIONER MCGAFFIGAN: As a former Senate Armed  
10 Services Committee staffer, if you are getting your money  
11 out of the 050 account, which you are, they take a very  
12 broad definition of Atomic Energy Defense Activities and so  
13 I would hang my hat too heavily on an interpretation that  
14 this is not a defense activity with defense funds are being  
15 used to support it.

16 MR. CANTER: Well, that's true. And so there's a  
17 lot of differences of opinion, and this is why, as we got  
18 into this, we found out there is no way we could rush this  
19 through in this month.

20 CHAIRMAN JACKSON: Please.

21 COMMISSIONER DICUS: Yes, I want to ask a question  
22 about the public involvement. I think you said that you  
23 don't have a mechanism for public involvement, and you  
24 didn't want to throw together, I think the terminology was,  
25 an ad hoc process. So, can we assume from that, that up

1     until the time NRC would take over as the regulatory agency,  
2     there would not be public involvement of any kind?

3             MR. CANTER:  If we do this right, that would be in  
4     the period of time when design is starting, application for  
5     license would be in preparation and you normally don't have  
6     a public process on that.  The public process usually starts  
7     when something is submitted.  So I hope we don't go so far  
8     as to have things submitted and not be able to say what is  
9     the public process.  If the public process is suitable to  
10    have something, we should have it in place.

11            What we like about your process is it is well  
12    established.  You have rules that govern it and rules that  
13    restrain it, to the extent that it needs to be restrained.  
14    The only one we have a public proces is NEPA and that is a  
15    different process.

16            The initial NRC role, the language here may be  
17    incorrect on technical advice, review and assistance.  It  
18    may be greater than that.  I don't know, and it depends on  
19    what we write into this MOU.  I think this TWRS, Tank Waste  
20    Remediation System, program is a model that we can look at,  
21    if that is adequate.  But, obviously, we are going to need  
22    assistance, and the contractors will, to identify and  
23    interpret NRC standards, review technical deliverables and  
24    identify any differences with your regulatory approach.

25            You are, no matter whether we were here or not,

1     revising 10 CFR 70. I don't know to what extent you were  
2     going to revise the Regulatory Guides, and there may be  
3     different ones that are applicable because we are dealing  
4     with plutonium here, and other regulatory documents. You  
5     would have to, obviously, plan on and staff and ramp up to  
6     transition to the lead regulatory role. And we need to  
7     jointly establish this Memorandum of Understanding and the  
8     funding mechanism.

9                 COMMISSIONER DIAZ: Yes. Would you like to  
10    elaborate a little bit what you mean by DOE has, and I am  
11    going to take the "initial" out, has responsibility for  
12    regulation? Because whether it is initial or a little time,  
13    you are going to be responsible for what that period of time  
14    is. And what does that entail and how will that play out  
15    into the potential for NRC then assuming a role?

16                MR. CANTER: Well, --

17                COMMISSIONER DIAZ: And it is your responsibility  
18    at that point, right?

19                MR. CANTER: That's correct.

20                COMMISSIONER DIAZ: Entirely, 100 percent?

21                MR. CANTER: That's correct.

22                COMMISSIONER DIAZ: Okay. And what does that  
23    mean?

24                MR. CANTER: Well, if it were like any other DOE  
25    facility where DOE is self-regulated, we would have to

1 establish the requirements. Right now we have got people  
2 looking at what DOE orders would even be applicable. And it  
3 is not that clear. This is different. So it is not like  
4 our other facilities in the complex.

5 What we have to do is work from whatever standards  
6 the NRC has as the base, and sort of deal with what else is  
7 needed. If integrated safety analysis is not yet required  
8 by the NRC standards in 10 CFR 70, and we feel integrated  
9 safety assessment is required, then we might add that.  
10 There are a number of examples of these things.

11 COMMISSIONER DIAZ: So, in other words, if I may  
12 paraphrase you, it is not clear what that responsibility  
13 entails?

14 MR. CANTER: That's correct. I know Dave has been  
15 working with our Environment, Safety and Health people on  
16 this. I don't know whether you want to add anything to it.

17 MR. NULTON: Well, one of the things that we have  
18 looked at it is a work-smart approach where identify high  
19 level requirements, 10 CFR 70.75, Part 50, Appendix B,  
20 perhaps 20 and then where we feel, where the Department  
21 feels there is not adequate coverage of a particular area,  
22 we would fill in the gap with a DOE requirement. But, to  
23 the extent that we can, we would keep these NRC requirements  
24 as the over-arching requirements, and then ask the  
25 contractors to assist us in identifying any requirements

1 that we didn't identify adequately up-front.

2 That approach, we hope, would allow us to make a  
3 transition over to NRC regulation with a minimal change.

4 COMMISSIONER DIAZ: What is the value of the  
5 mixing? What do you gain by mixing your regulations and  
6 ours? It doesn't seem like -- whatever time you gain at the  
7 beginning, you are going to lose it midway.

8 MR. NULTON: We would hope to have minimal mixing.  
9 We would have NRC requirements to the greatest extent  
10 possible. As Howard had mentioned, in areas like integrated  
11 safety assessment or safety management, where there may not  
12 be coverage right now in the NRC regulations, then we would  
13 probably stipulate something there. And it may require some  
14 change during the transition phase.

15 MR. CANTER: My understanding is that you are  
16 shifting to a more performance-based regulatory regime, this  
17 is what I have heard in various fora.

18 DOE's orders are extremely prescriptive down into  
19 great details, which I don't think is the way to go. So  
20 what we would like to do is, wherever possible, use the NRC  
21 requirements. We don't know, at least we in DOE don't know  
22 yet what your revised 10 CFR 70, even in draft, looks like  
23 at this stage, which we want to learn about, and to what  
24 extent it is significantly different from the existing 10  
25 CFR 70.

1 CHAIRMAN JACKSON: Yes, Commissioner McGaffigan.

2 COMMISSIONER MCGAFFIGAN: It sounds a lot like  
3 what you are asking us to do is something like what we are  
4 doing at the Tank Waste Remediation System up in Hanford.  
5 We have a resident there, we are preparing to license those  
6 facilities if Congress someday gives us the authority to do  
7 it. The people who are involved there are trying to figure  
8 out how these facilities would be designed to a NRC  
9 standard, and it is taking -- that has been going, I  
10 believe, for two or three years already and will take some  
11 number of years to come, although I think big dollars may be  
12 flowing and contracts may be about to be awarded there as  
13 well.

14 Have you talked to the folks who are doing the  
15 Tank Waste Remediation thing to see if there is a model  
16 there as to how this transition works or has worked?

17 MR. CANTER: Yes. And, as I said before, I think  
18 that is the closest model we can find, although it may have  
19 to be altered.

20 COMMISSIONER MCGAFFIGAN: Right.

21 MR. CANTER: Because this is a little different.  
22 In the Tank Waste Remediation System, there are doing  
23 something that really hasn't been done before. And while a  
24 MOX plant, it is technology exists today and there are a  
25 number of MOX plants in Europe, in fact, a new one where

1 construction is completing, I believe, this year in England.  
2 So there are some things that can be looked at.

3 That is another thing that I didn't mention here,  
4 because it is a detail of one of the things the NRC would  
5 have to do during this ramp up period, is do whatever you  
6 need to do with your staff to become familiar with what the  
7 French and the Belgians and the British are doing, and their  
8 regulatory processes. There may be some models there that  
9 could be used. There may be a lot of lessons learned out of  
10 some of that. So that we don't tread the same steps.

11 CHAIRMAN JACKSON: There are some initial steps  
12 the staff has already taken, but, you know, specifically,  
13 along that line.

14 MR. CANTER: Yes.

15 CHAIRMAN JACKSON: But as I indicated earlier, the  
16 real issue is to have clarity on where we are going or not  
17 going, because that governs how much in the way of resources  
18 we can or are willing to invest and how to plan what our  
19 activities would be.

20 But Carl Paperiello's folks are well aware of the  
21 French and other programs and have done some initial  
22 look-sees in that regard.

23 Commission McGaffigan.

24 COMMISSIONER MCGAFFIGAN: And another question  
25 that may come from a different direction, you mentioned



1 earlier multiple regulators. All the sites you are  
2 considering for the MOX Facility are Defense Nuclear  
3 Facility Safety Board sites at the moment, and will be for  
4 some time because they are not early pilots. Under the  
5 Grumbly-Berube report, they would be 10 years from the point  
6 of legislation before most of those facilities would come  
7 under our regulation, if ever.

8           There is a model at Savannah River different from  
9 the model at Hanford, and another vitrification facility  
10 where the Defense Nuclear Facility Safety Board provided the  
11 oversight, and they had some sort of public process, because  
12 I know they had a lot of public meetings on that facility as  
13 it was starting up a couple of years ago.

14           If you don't get legislation, if this doesn't  
15 work, have you looked at the Defense Nuclear Facility Safety  
16 Board model and seen whether it will work?

17           MR. CANTER: Well, I am familiar with the process  
18 that they use for public, they do have public meetings, but  
19 it is not a formalized process like yours is. And plus, the  
20 Defense Board is an oversight agency, it is not a regulatory  
21 agency.

22           COMMISSIONER McGAFFIGAN: I understand.

23           MR. CANTER: So they never have to quite reach the  
24 conclusion -- to be a licensed facility, and if you are the  
25 regulator, you have to decide at some point, is it

1 acceptable? The Defense Board is an oversight and  
2 commenting role and they don't really have to decide it is  
3 acceptable. They can decide that I don't have any more  
4 significant comments to make. There's little differences,  
5 some subtle differences there.

6 I have discussed this with the Defense Board, and  
7 we made a presentation to them on the program, and we told  
8 them our intent was to have the MOX plant NRC regulated.  
9 Conway asked a few brief questions, why? And we explained  
10 the linkage with the reactors and so forth, and that it is a  
11 little different, and he had no objection to it at the time.

12 We will go back and brief him and his other board  
13 members on this transition period so that they understand  
14 and hopefully have no problem with it, but what we wanted to  
15 do is reach agreement, hopefully today, so that we can  
16 proceed with whatever revisions we need to make to this  
17 request for proposal, and I didn't want to do that in write  
18 in some transition period without the concurrence of the NRC  
19 Commission because we are sort of obligating you to do  
20 things and I don't think I have the right to do that.

21 The next chart is just the schedule for the  
22 procurement and it shows hopefully getting this request for  
23 proposal out in May and then receipt of the proposals 90  
24 days later.

25 CHAIRMAN JACKSON: Do you have a target date for

1 the contract award? It's not on there.

2 MR. CANTER: We are looking to see whether we can  
3 shorten up the evaluation period, but it will be in the  
4 October-November timeframe.

5 CHAIRMAN JACKSON: Okay.

6 MR. CANTER: And the last chart is just the next  
7 steps. We would like to have your agreement on the general  
8 approach to this phased-in process. We want to work with  
9 your staff to develop the detailed regulatory framework,  
10 resolve any uncertainties, and we want to issue this RFP  
11 because we are staring at a delay, and so that is all there  
12 is to my prepared presentation at this point.

13 CHAIRMAN JACKSON: Thank you, Mr. Canter.

14 You know, the soil seems to be shifting and have  
15 shifted quite a bit even within the last 24 to 48 hours, and  
16 so the real question that naturally occurs is how firm is  
17 DOE with the strategies and plans that you have presented  
18 today, because you are asking for the Commission to make a  
19 Commission decision but within the last 48 hours, you know,  
20 the shifting sands, so how firm are you here, and how far up  
21 does that firmness go within DOE?

22 MR. CANTER: Well, in a --

23 CHAIRMAN JACKSON: Is the Secretary on board?

24 MR. CANTER: I think the Secretary is on board to  
25 the extent that he knows we want this to be an NRC licensed

1 facility.

2 CHAIRMAN JACKSON: Does he agree with that?

3 MR. CANTER: Yes. The Deputy Secretary reviewed  
4 this whole thing yesterday and was very strong in her  
5 approach that, one, she wants it NRC licensed, and in no  
6 uncertain terms. She did not like any concept where there  
7 is no license and it may be appropriate that you have a  
8 conversation with her.

9 CHAIRMAN JACKSON: I will.

10 MR. CANTER: I assumed you would, and that you can  
11 judge for yourself on that, but she was very adamant about  
12 this yesterday, and unfortunately I think what confused  
13 things for a few weeks was people interpreting what they  
14 thought she meant, and that wasn't what she thought she  
15 meant at all.

16 CHAIRMAN JACKSON: I see.

17 MR. CANTER: So I was very pleased to hear what I  
18 heard from her yesterday.

19 CHAIRMAN JACKSON: Okay. Commissioner Diaz.

20 COMMISSIONER DIAZ: If I may piggyback on the  
21 Chairman's questioning, I look at your page 5 and trying to  
22 see from words what commitment is.

23 You know, that very first line in there really to  
24 me is not what I will call a commitment or -- it says we  
25 "want" to issue an RFP and "desires" -- now my problem is

1     this, like the Chairman said, is that there is a difference  
2     between desiring something and having a structural plan that  
3     is actually fixed, because we thought we had one and we  
4     worked to it, and now, you know, it has changed.

5             So throughout these things I can see good  
6     intentions, but I do not see a commitment to do things in a  
7     certain way, and maybe that commitment is not at your  
8     disposal, but I think the Commission needs to make decisions  
9     based on information that it can be relied upon -- you know  
10    what I'm saying?

11            MR. CANTER: Let me comment on that. This may  
12    just be a poor choice of words here on this slide, to use  
13    the word "desire" -- as far as I am concerned, and I think  
14    you can verify this from the Deputy Secretary, we want to  
15    move ahead with NRC regulation and licensing in no uncertain  
16    terms.

17            What we don't have is all the plans and the  
18    details and the steps on how we get there planned out at  
19    this point, and we have to work on them and we have to work  
20    with your staff on them because we can't do it in a vacuum.

21            CHAIRMAN JACKSON: Excuse me, Karen?

22            MS. CYR: And you may need to work with Congress  
23    on this.

24            MR. CANTER: Yes, ma'am.

25            CHAIRMAN JACKSON: Commissioner?

1           COMMISSIONER MCGAFFIGAN: I am on Slide 5 as well.  
2 I think our staff was trying to work with you on the  
3 legislative proposal, and I don't know whether -- about the  
4 disagreements within DOE, but I actually thought that there  
5 was an awful lot of pretty good work going on that could  
6 lead in a reasonable time period to a legislative proposal  
7 that even if it is only a backup, to respond to Congress in  
8 a coherent way, and I would urge you to think about  
9 continuing that work and see if we could have a legislative  
10 proposal that was ripe, because that is one thing.

11           On the other hand, I don't know how we ever --  
12 that legislative proposal ever became a pacing item for your  
13 RFP because it was always clear when we were talking about  
14 this, when you did the record of decision that the earliest  
15 legislation we'd pass would be late -- you know, September,  
16 October of this year, and it was always a question as to  
17 whether Congress would approve it, so you always needed a  
18 backup plan of some sort that would maintain you in the  
19 regulatory role and perhaps us in an assistance role.

20           I think I asked the question last time we had a  
21 briefing about whether you could make that work, and I think  
22 your answer was yes, if that happened, you know, we would  
23 have to worry about the interface when the fuel got to your  
24 licensees, NRC, but you could make a DOE licensing or a DOE  
25 self-regulation work, so as I say, if I had been the

1 procurement officer, I probably would have been suggesting  
2 to you that we have to open up both options -- tell the  
3 bidder that there's both options and to the extent that  
4 there are costs associated with, that are outside the  
5 control of the bidder we'll cover them, and then you could  
6 go ahead with the RFP without having it all tied down,  
7 because to the extent it requires legislation it is not  
8 going to be tied down, so I am struggling with the  
9 chicken-and-egg issue here, I guess.

10 MR. CANTER: Well, that is exactly what we are  
11 doing with the RFP at this juncture, and maybe we  
12 incorrectly had it drafted with a statement that the  
13 department intended to seek legislation, but the RFP was  
14 based upon successfully getting that legislation, and that  
15 was probably a tactical error at the time, although we  
16 thought we had everybody's agreement on that approach  
17 internally, so we are working on revising it at this point,  
18 but didn't want to go ahead and revise it and go ahead and  
19 issue it when it commits the Commission or your staff to do  
20 certain things without having gotten at least some  
21 concurrence from you on even doing that, because even this  
22 transition period with DOE regulation, there is a  
23 substantial role for the NRC. Okay?

24 CHAIRMAN JACKSON: Commissioner McGaffigan?

25 COMMISSIONER MCGAFFIGAN: Well, again my reaction

1 is that to the extent that you are paying the bills and we  
2 can get whatever relief we need from OMB for the  
3 non-business-like FTEs I think is what they are called these  
4 days, then just as we went into external regulation in order  
5 to honorably respond to the Grumbly-Berube report, we should  
6 probably honorably try to deal with you on whichever --

7 CHAIRMAN JACKSON: We already have.

8 COMMISSIONER McGAFFIGAN: And we have been, and we  
9 have been -- and we are not, as I say, we are not the pacing  
10 item in this, at least as I understand it.

11 CHAIRMAN JACKSON: No, we're not, and in fact we  
12 are out ahead in general.

13 Commissioner, any further comments?

14 COMMISSIONER DIAZ: Yes. Let me make one more  
15 comment, because I am trying to put things together as an  
16 engineer from almost your same class.

17 You know, you're expressing that you want to have  
18 the NRC as a regulator for MOX and obviously you have a very  
19 sharp group of lawyers, and Karen, I am going to find out  
20 how sharp they are, that you believe you can proceed with  
21 this process without Congress.

22 It should be very easy for you lawyers to  
23 establish NRC as a regulatory authority from the first time.

24 MR. CANTER: No comment.

25 [Laughter.]



1                   COMMISSIONER DIAZ: And a second comment -- you  
2 know, just for the record -- there is probably, you know,  
3 one regulatory structure that can be created that is more  
4 cumbersome and more complex than the DOE and the NRC, and  
5 that is a mix -- DOE and NRC.

6                   [Laughter.]

7                   MR. CANTER: That is my recurring nightmare and so  
8 I want to get out of that as quickly as possible, because I  
9 think that will make it a very difficult environment.

10                  CHAIRMAN JACKSON: Well, thank you very much, Mr.  
11 Canter. This has been an interesting briefing that  
12 obviously has both national and international security and  
13 economic significance.

14                  As you have heard, the Commission recognizes the  
15 Administration's view of the importance of this program to  
16 this country as well as other nations around the world and  
17 the need to successfully address the broad objectives and  
18 goals.

19                  The issues involved, as we have all discussed, are  
20 complex, but the NRC is ready to carry out the  
21 responsibilities within its authority.

22                  That are necessary to insure the success of the  
23 program. However, having said that, there are a number of  
24 technical, and in some ways those are easier, funding and  
25 legal issues, that need to be addressed, including the issue

1 of enabling legislation. So, in other words, in order to  
2 proceed on the technical and regulatory and other issues, we  
3 need a commitment from DOE to concurrently work on the  
4 legislation and with the Congress. So that's number one.  
5 And that commitment has to come from the highest levels  
6 within DOE.

7 And then the follow on to that is that stability  
8 at the highest policy levels within DOE, of its overall --  
9 with respect to its overall commitment to this, is something  
10 that we absolutely must have. Because we can't operate on  
11 the basis of shifting land. This is too important from a  
12 national security and international security point of view.  
13 And our whole -- the whole premise of how we do our  
14 business, whether people think we do it perfectly or not, is  
15 scrutability and that has to be a fundamental element.

16 But we need these commitments at the highest  
17 levels, and if the commitments are going to shift, then they  
18 ought to be communicated at the highest levels. And so,  
19 with that, we are adjourned.

20 [Whereupon, at 10:10 a.m., the briefing was  
21 concluded.]

22  
23  
24  
25

CERTIFICATE

This is to certify that the attached description of a meeting of the U.S. Nuclear Regulatory Commission entitled:

TITLE OF MEETING: BRIEFING ON MOX FUEL FABRICATION  
FACILITY LICENSING --  
PUBLIC MEETING

PLACE OF MEETING: Rockville, MD

DATE OF MEETING: Friday, April 3, 1998

was held as herein appears, is a true and accurate record of the meeting, and that this is the original transcript thereof taken stenographically by me, thereafter reduced to typewriting by me or under the direction of the court reporting company

Transcriber: Myra Buzul

Reporter: Mark Mahoney

# **Briefing to the Nuclear Regulatory Commission on Regulation of the MOX Fuel Fabrication Facility**



***Howard Canter***

***U.S. Department of Energy  
Office of Fissile Materials Disposition***

***April 3, 1998***



# Planned Contract Structure

..... *MOX Fuel Fabrication and Irradiation Services*

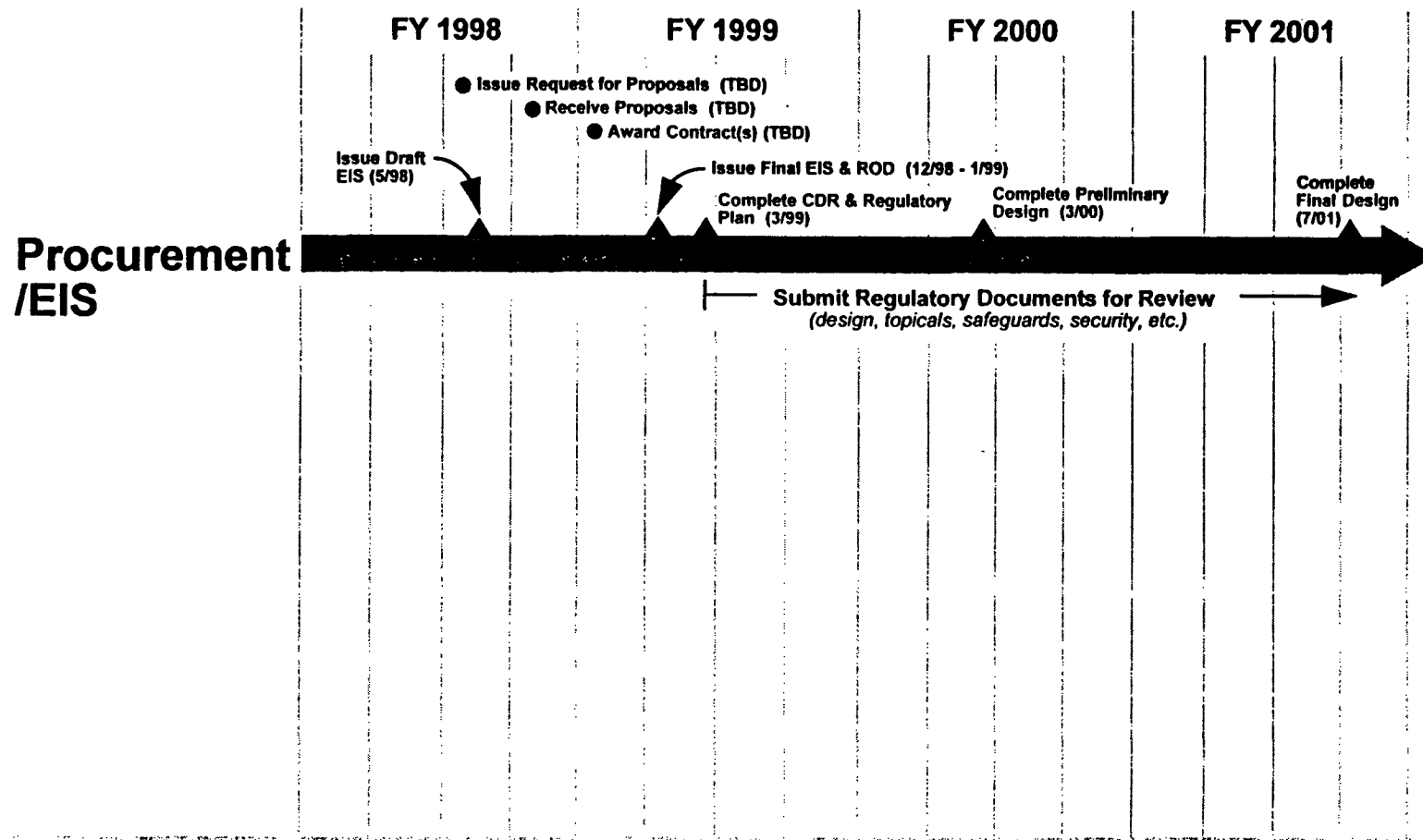
## MOX Fuel Fabrication Facility

- **Base Contract -- 3-5 Years**
  - Facility Design
  - License Application
  - Planning Document Preparation
- **Option 1 -- 4 Years**
  - Licensing
  - Facility Construction
  - Cold Start Up
- **Option 2 -- 15 Years**
  - Hot Start Up
  - Full-Scale Operations
- **Option 3 -- 2 Years**
  - Facility Deactivation



# Program Schedule

..... *MOX Facility Regulation*





# Initial Approach

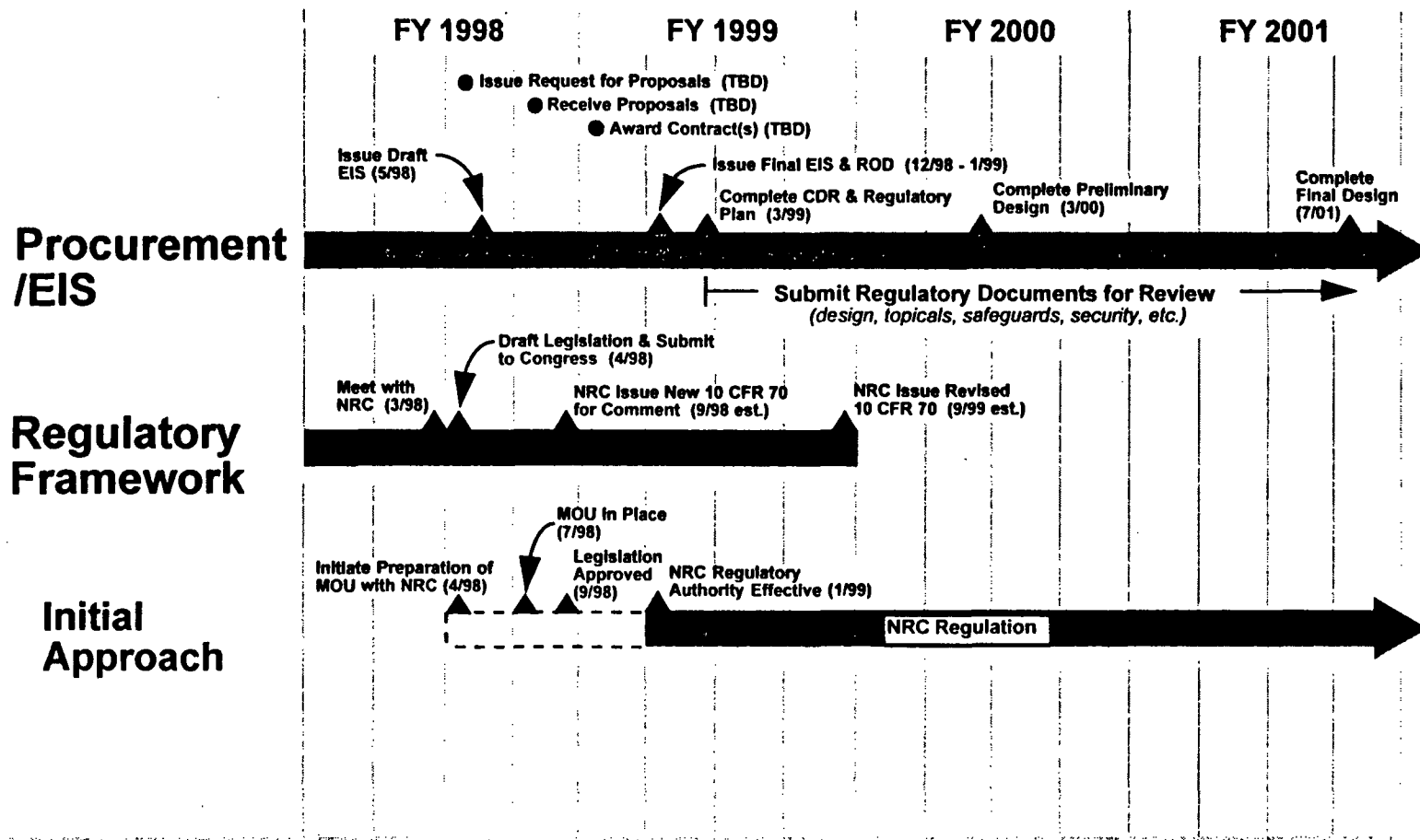
..... MOX Facility Regulation

- **DOE & NRC were jointly to develop legislation for NRC regulation of MOX Facility -- *submit to Congress in April 1998***
- **DOE/NRC MOU -- *in place by July 1998***
- **Congressional approval of legislation to be included in FY 1999 Defense Authorization Act -- *end of FY 1998***
- **NRC regulatory authority to be effective in FY 1999**



# Initial Approach

..... *MOX Facility Regulation*







# Unresolved Issue

..... *MOX Facility Regulation*

- **DOE wants to issue RFP and desires to move toward NRC regulation and licensing of MOX fuel fabrication facility**
- **Cannot issue RFP in a timely manner without reaching agreement on NRC regulatory role**



# Revised Approach

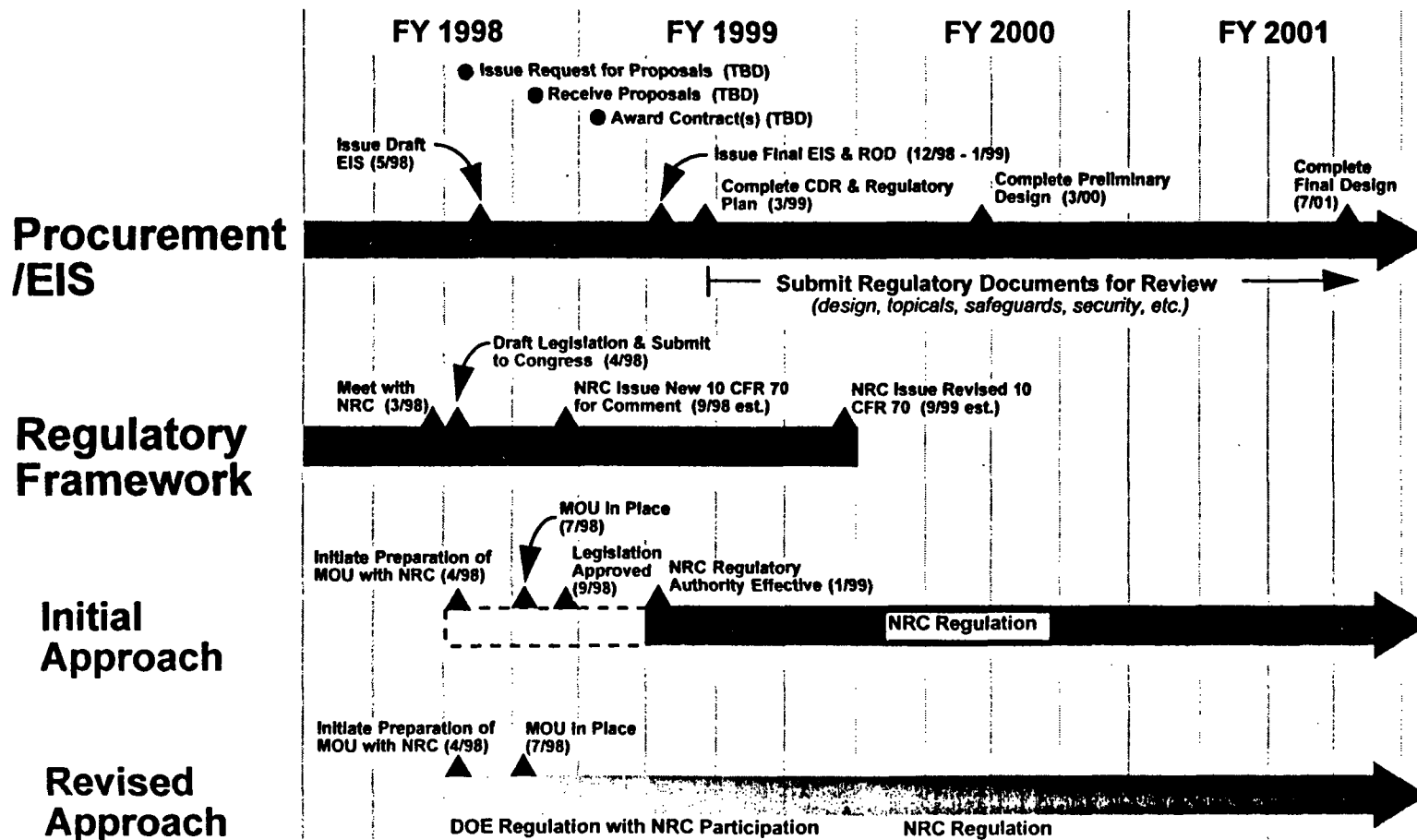
..... *MOX Facility Regulation*

- **Initially, DOE to regulate facility with NRC to provide advice, technical review and assistance**
- **Plan on phasing in NRC regulation and licensing**
  - Resolve uncertainties of scope of existing authorities
- **Apply NRC standards supplemented by DOE requirements, when not in conflict**



# Revised Approach

MOX Facility Regulation





- **DOE has initial responsibility for regulation**
- **Provides more time to:**
  - Obtain adequate NRC staffing
  - NRC to conduct Rulemaking on 10 CFR Part 70
  - NRC to review/update Regulatory Guides and Standard Review Plans
- **Need to establish regulatory authority and structure, public involvement and resources**
- **Request for Proposals would be revised to accommodate regulatory approach**
- **Material declared “no longer required for defense purposes” to be transferred to contractor on delivery, thus not a “defense” activity**



# Initial NRC Role

..... MOX Facility Regulation

- **Provide technical advice, review and assistance to DOE**
  - *Identify & interpret “NRC Standards”*
  - *Review contractor technical deliverables*
  - *Identify differences with NRC’s regulatory approach*
- **Revise 10 CFR 70, Regulatory Guides, and other regulatory documents**
- **Transition to lead regulatory role**
- **Jointly establish a Memorandum of Understanding and funding mechanism**



# Procurement Schedule

• • • • • *MOX Fuel Fabrication and Irradiation Services*

	<u>Original</u>	<u>Revised</u>
• <b>Commerce Business Daily Announcement</b>	<b>March '97</b>	<b>March '97</b>
• <b>Program Acquisition Strategy</b>	<b>July '97</b>	<b>July '97</b>
• <b>Draft Request for Proposals</b>	<b>November '97</b>	<b>November '97</b>
• <b>Final Request for Proposals</b>	<b>February '98</b>	<b>May '98</b>
• <b>Receipt of Proposals</b>	<b>May '98</b>	<b>August '98</b>



# Next Steps

• • • • • *MOX Facility Regulation*

- **Obtain NRC approval of general approach**
- **Work with NRC staff to develop detailed regulatory framework**
- **Resolve uncertainties of scope of existing authorities**
- **Issue RFP as soon as possible to maintain disposition program momentum**
  - Day-for-day delay in procurement