From:	Ramuhalli, Pradeep		
To:	Hiser, Matthew; Purtscher, Patrick		
Subject:	[External_Sender] Draft report		
Date:	Thursday, November 10, 2016 3:17:44 PM		
Attachments:	First Draft Outline Harvesting PNNL rev2.docx		

### Matt, Pat,

The attached document is a draft and should be treated as such. As discussed, the document is missing some references, and is awaiting some input for the sections on information tools for harvesting. Also note that the section on examples is being rewritten to homogenize the language. Any feedback on the updates is appreciated.

On the other items:

- We would prefer to combine the report and the workshop summary and issue a single report. This should help with managing costs associated with producing the report, and will ensure that the report includes the latest information from the workshop.
- I will work with our financial specialists to see where we stand on spending to date and anticipated costs through January. I will touch base with Pat on Monday about this.
- As discussed, it would be helpful to have two people from PNNL (me, plus our materials SME) attend the workshop. This (and the associated planning and post-workshop summary generation) will require a modification to the scope and costs on the contract.

Please let me know when you receive this.

With best regards,

#### Pradeep

Pradeep Ramuhalli, PhD Senior Research Scientist, Applied Physics Group Pacific Northwest National Laboratory 902 Battelle Blvd. P.O.Box 999, MSIN K5-26 Richland, WA 99352 Tel: 509-375-2763 Email: pradeep.ramuhalli@pnnl.gov http://www.pnnl.gov





# Criteria and Planning Guidance for Ex-Plant Harvesting to Support Subsequent License Renewal

## January 2017

P Ramuhalli R Devanathan R Meyer SW Glass K Knobbs



Prepared for the U.S. Department of Energy under Contract DE-AC05-76RL01830 (b)(5)

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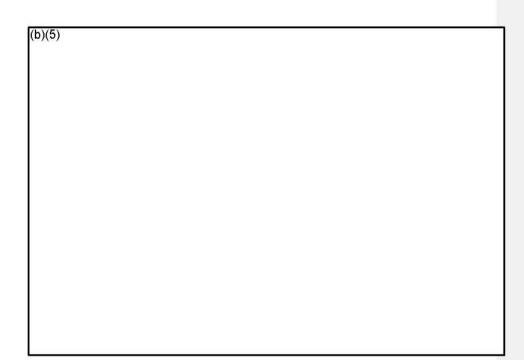
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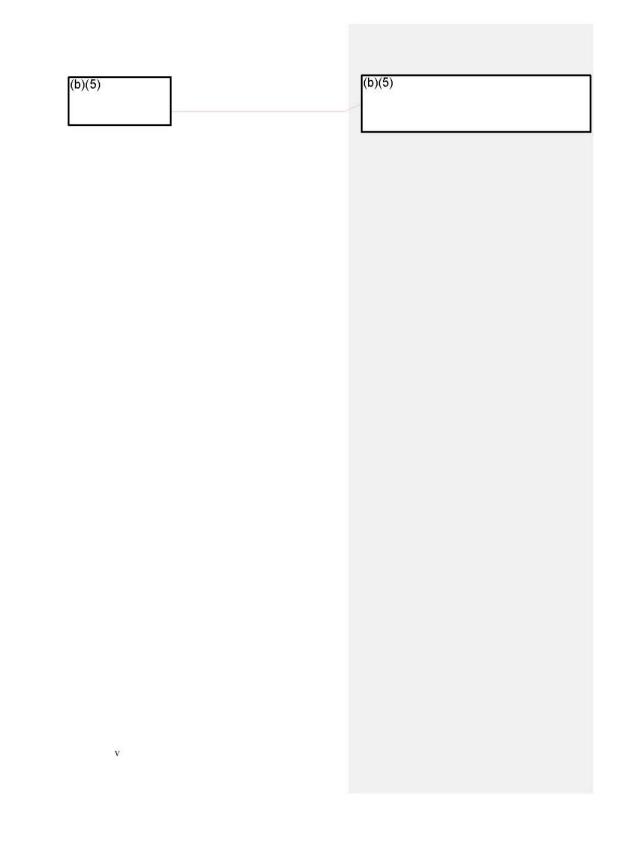
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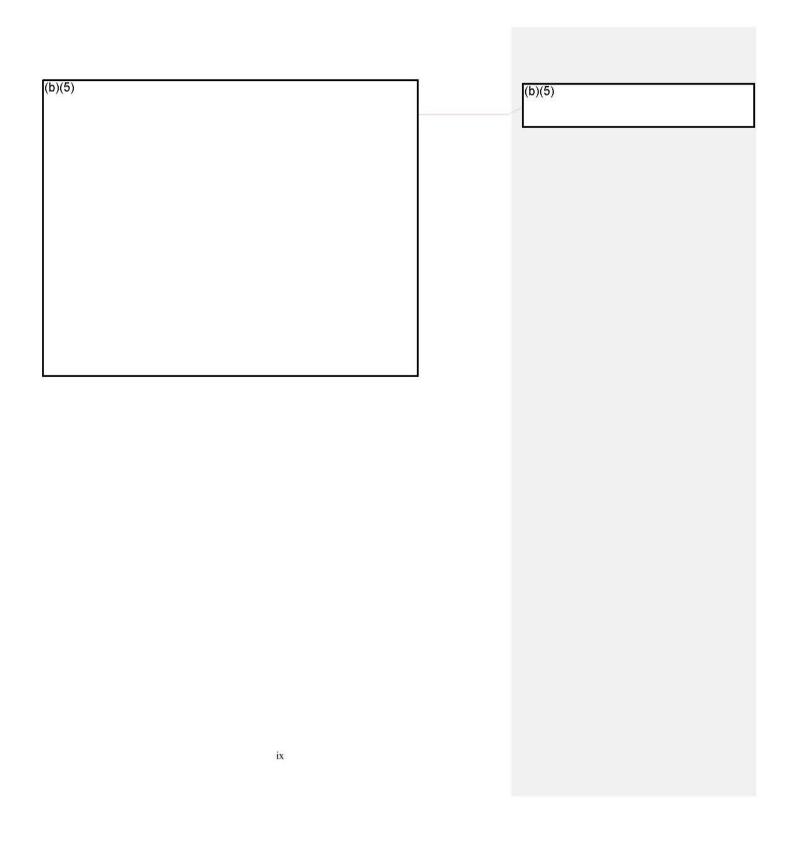
Prepared for the U.S. Department of Energy under Contract DE-AC05-76RL01830

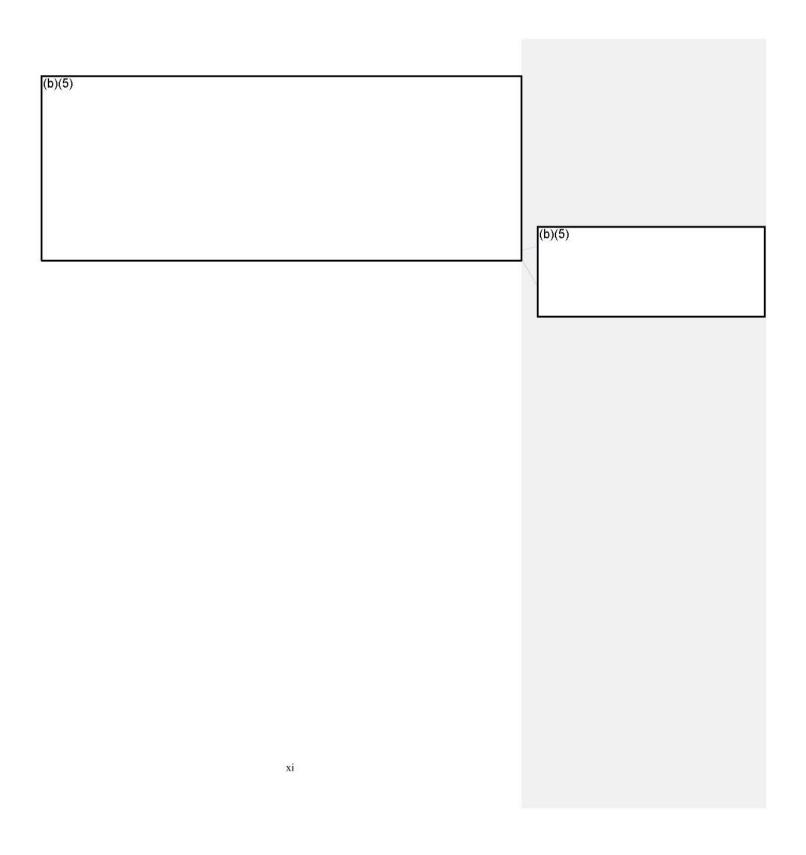
Pacific Northwest National Laboratory Richland, Washington 99352







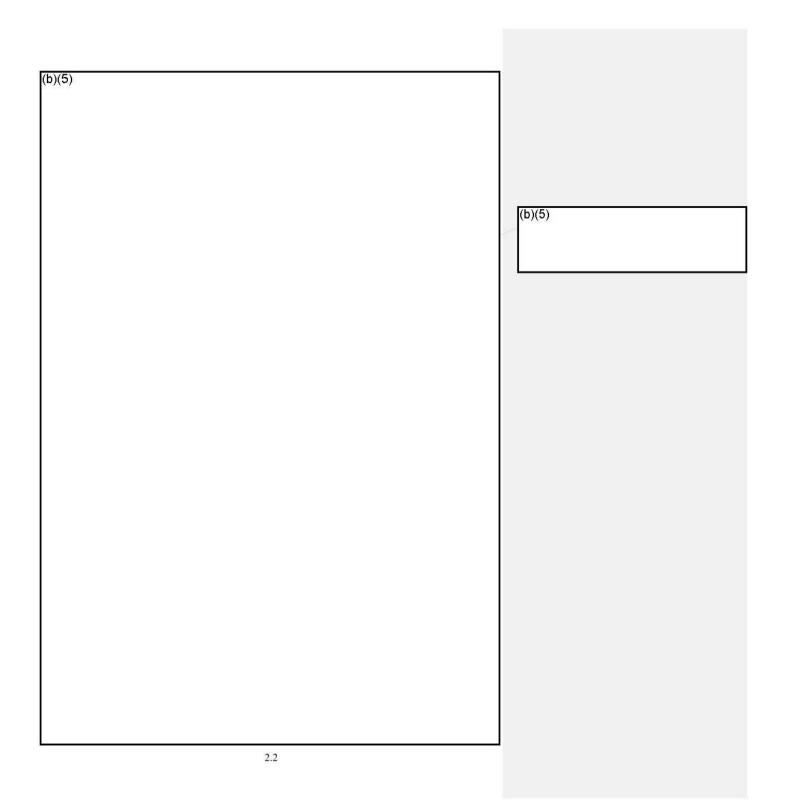




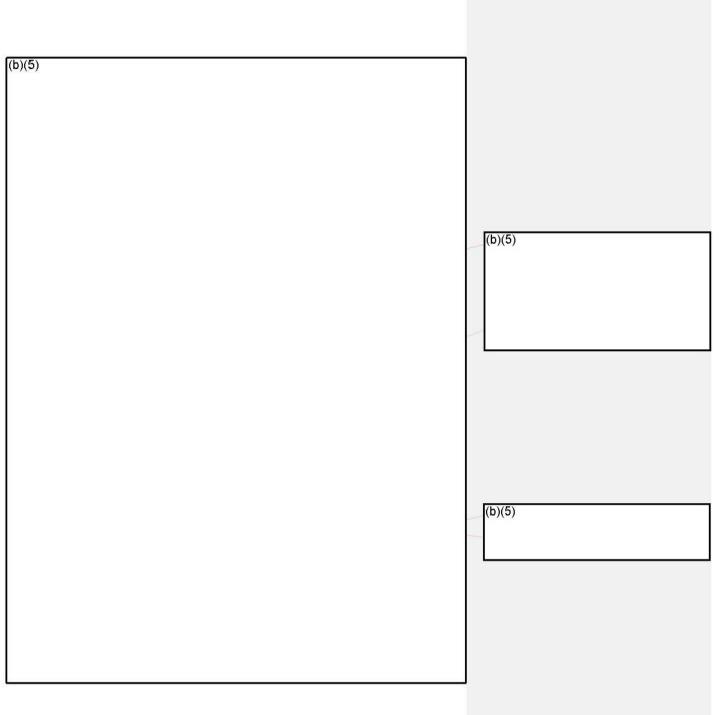
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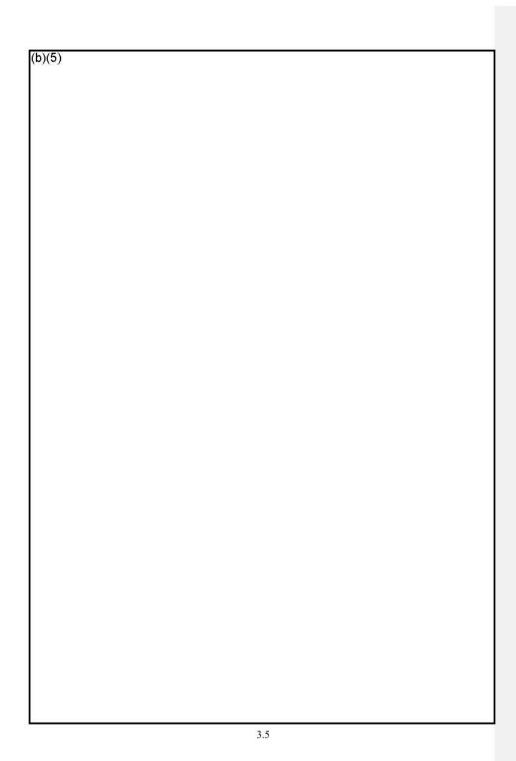
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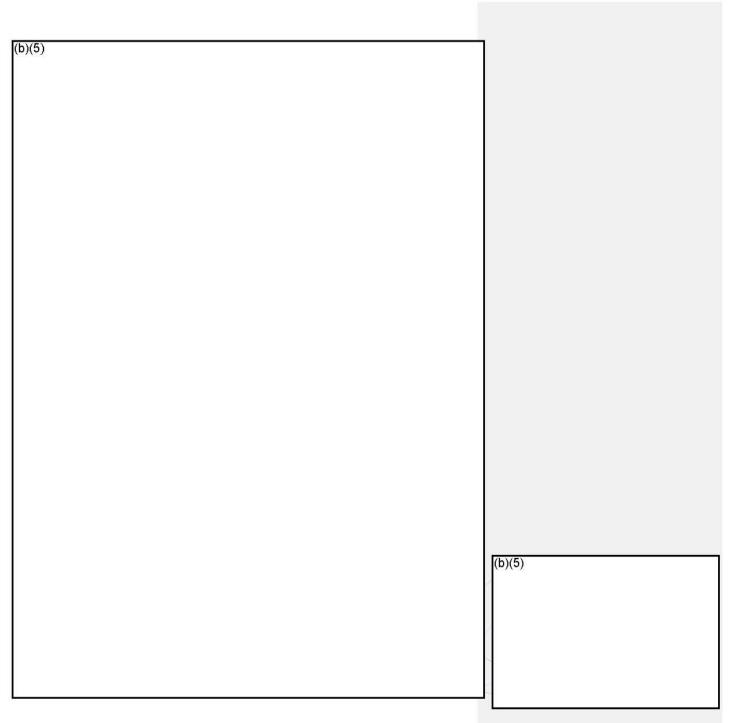
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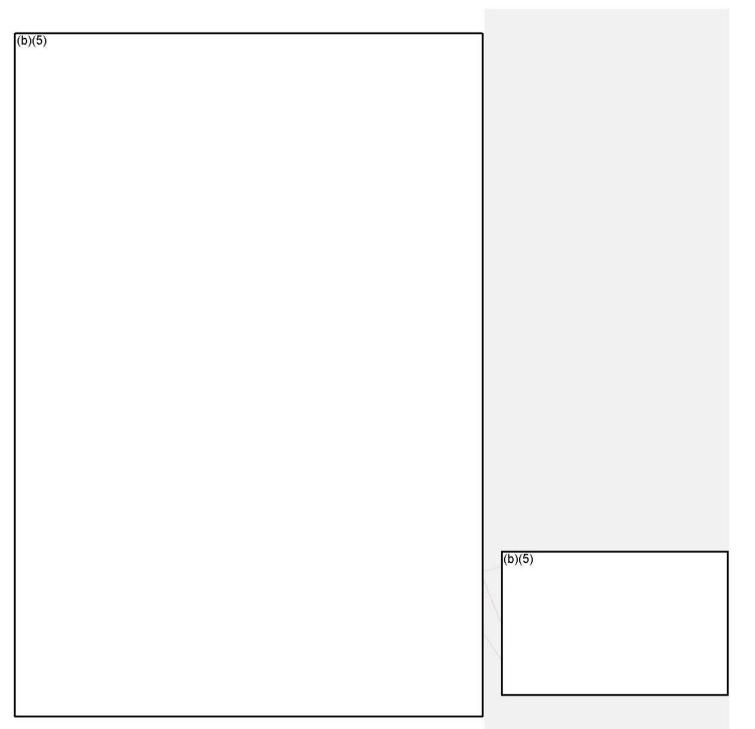






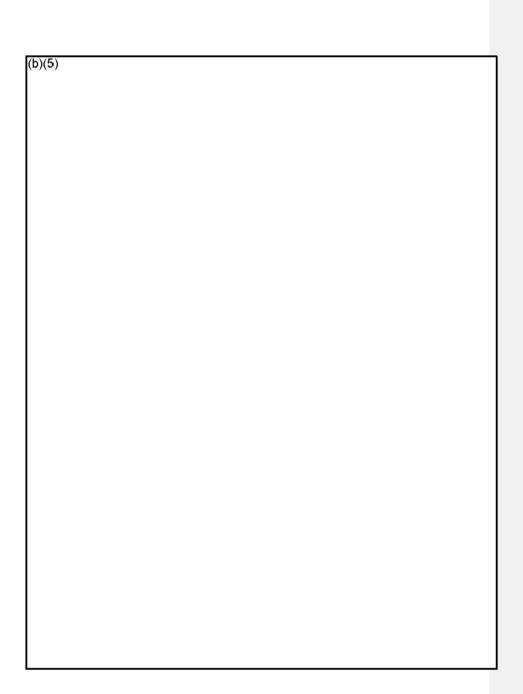
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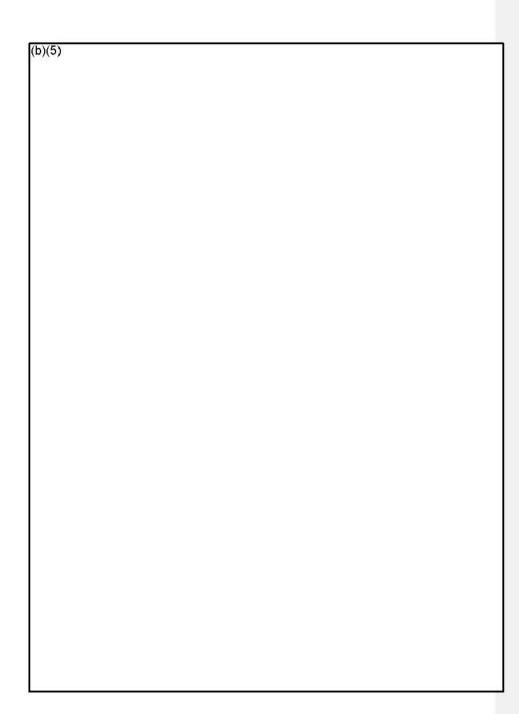




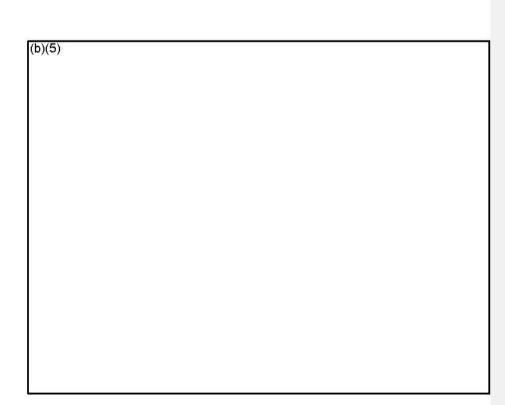
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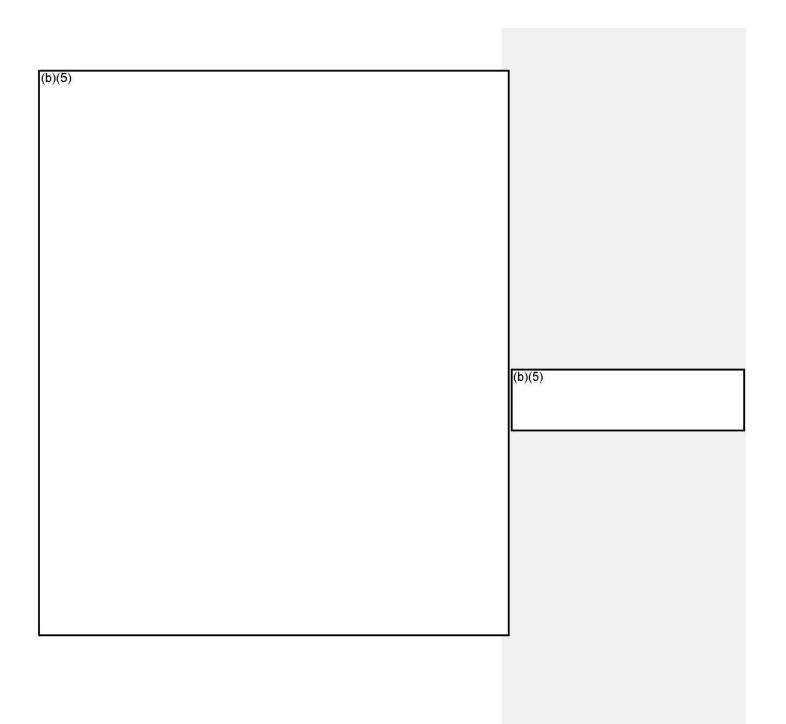
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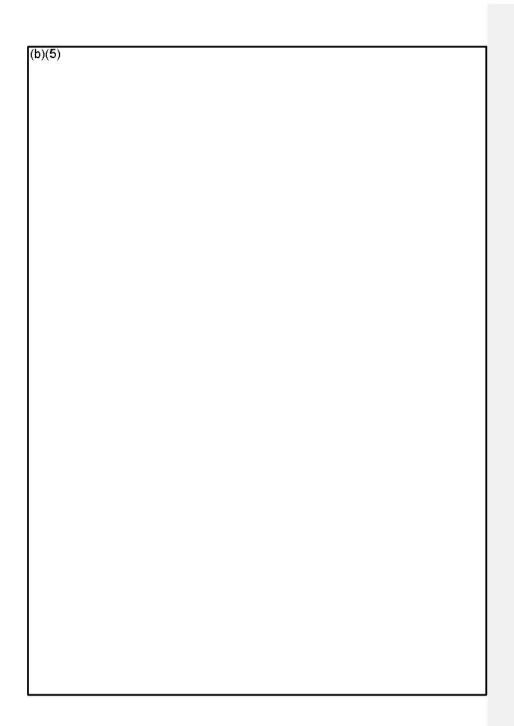


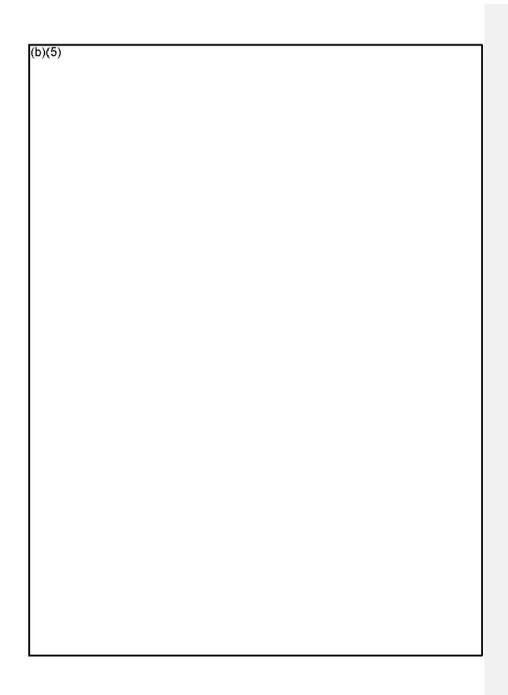
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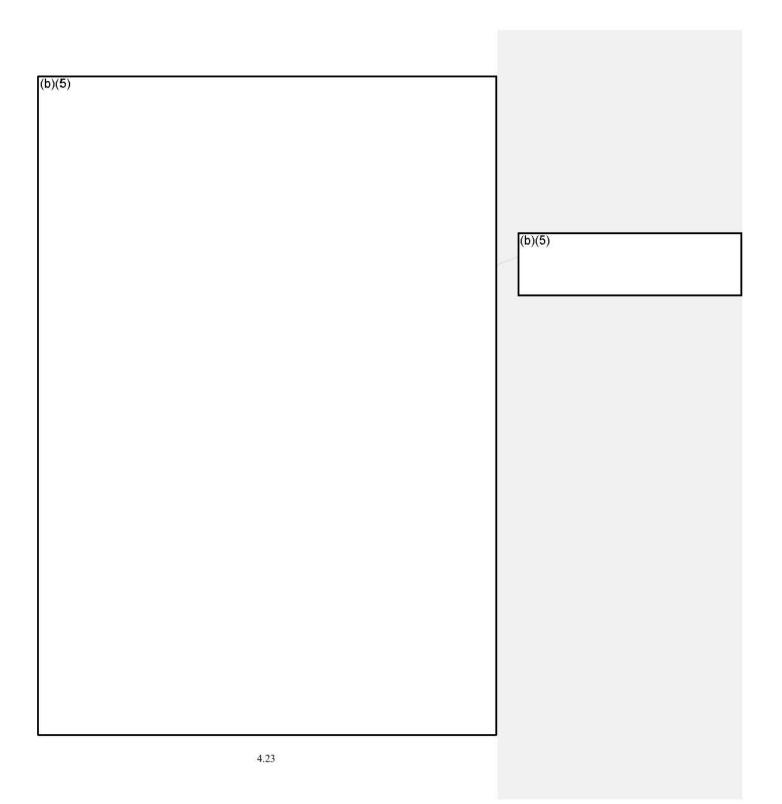




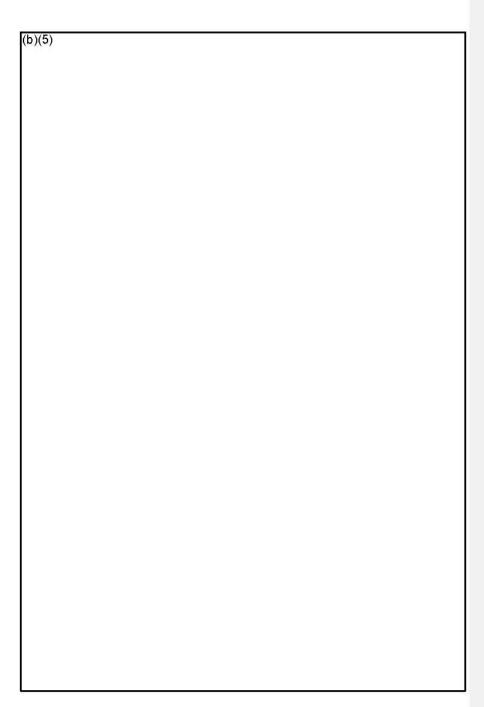
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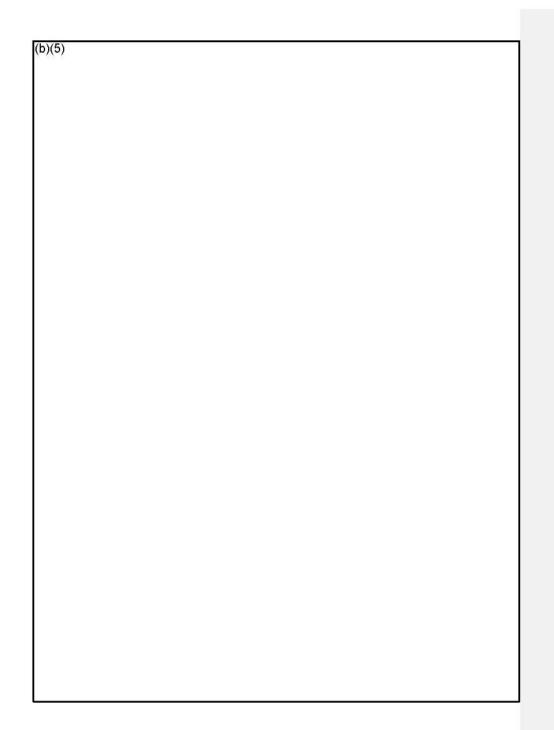
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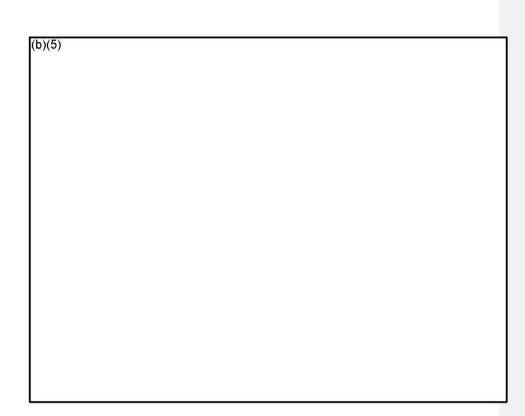


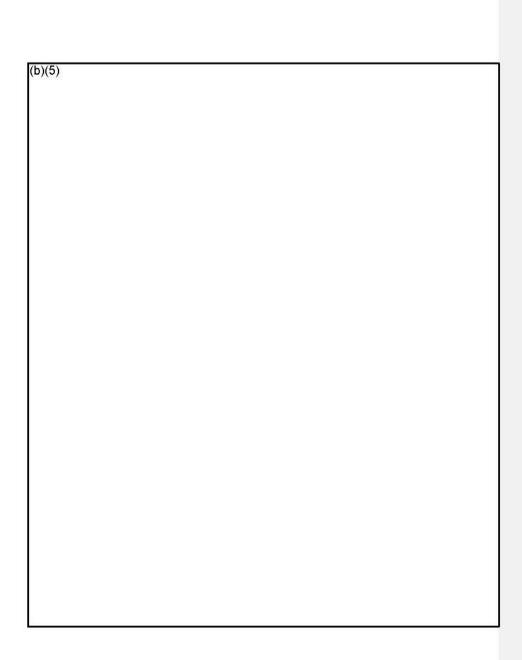
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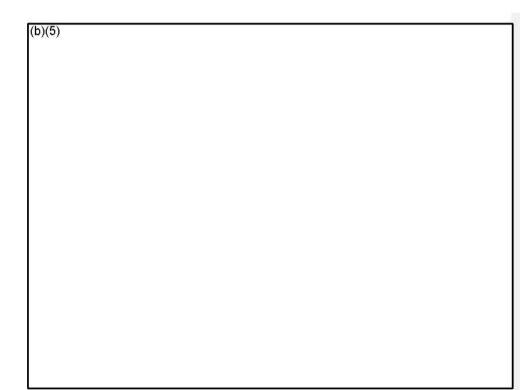
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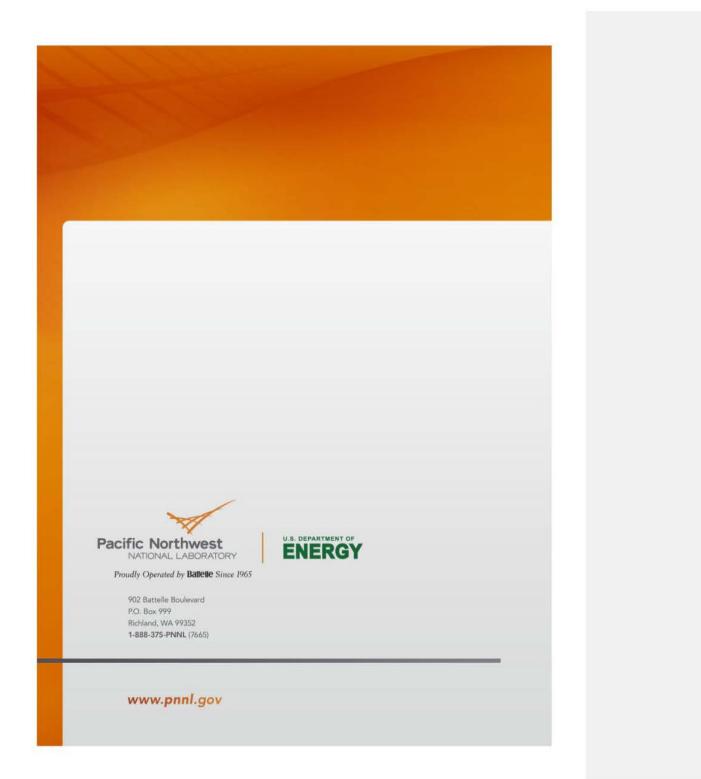












From:	Ramuhalli, Pradeep			
To:	Purtscher, Patrick			
Cc:	Hass, Kay E; O"Neil, Tara			
Subject:	[External_Sender] Harvesting TLR			
Date:	Thursday, December 07, 2017 10:32:08 AM			
Attachments:	PNNL-27120 Harvesting-TLR-final-120717.docx			

Patrick,

Attached is the cleared TLR, with the PNNL number included. Let me know if you have any questions. Thanks.

With best regards,

Pradeep

Pradeep Ramuhalli, PhD Senior Research Scientist, Applied Physics Group Pacific Northwest National Laboratory 902 Battelle Blvd. P.O.Box 999, MSIN K5-26 Richland, WA 99352 Tel: 509-375-2763 Email: pradeep.ramuhalli@pnnl.gov http://www.pnnl.gov

PNNL-27120



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# Criteria and Planning Guidance for Ex-Plant Harvesting to Support Subsequent License Renewal

## December 2017

P Ramuhalli R Devanathan RM Meyer SW Glass K Knobbs



Prepared for the U.S. Nuclear Regulatory Commission under a Related Services Agreement with the U.S. Department of Energy CONTRACT DE-AC05-76RL01830



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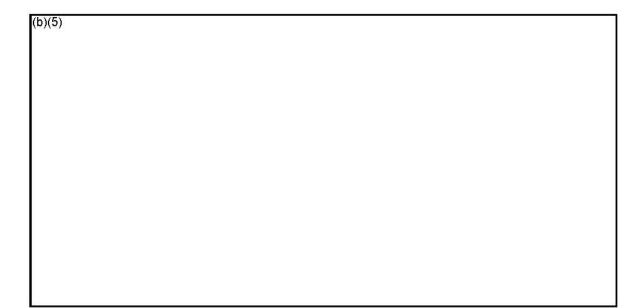
P Ramuhalli	S
R Devanathan	K
RM Meyer	

W Glass K Knobbs

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From:	Ramuhalli, Pradeep
To:	Purtscher, Patrick
Subject:	[External_Sender] RE: draft report from PNNL on Harvesting project
Date:	Monday, December 04, 2017 4:23:19 PM
Attachments:	Harvesting-TLR-final DRAFT-120417.docx

#### Patrick,

I don't recall if I got this back to you or not. If not, attached is the updated version. In addition to the editorial changes you suggested, an internal peer review caught a few more editorial changes (format checks, grammatical issues). These are in the attached.

With best regards, Pradeep Ramuhalli, PhD Tel: 509-375-2763 Email: <u>pradeep.ramuhalli@pnnl.gov</u>

From: Purtscher, Patrick [mailto:Patrick.Purtscher@nrc.gov]
Sent: Friday, November 24, 2017 10:05 AM
To: Ramuhalli, Pradeep <Pradeep.Ramuhalli@pnnl.gov>
Subject: FW: draft report from PNNL on Harvesting project
Good afternoon,
Here is the report with some little editorial changes that we would like you to make before we send it through for management approval.
Pat

PNNL-XXXXX



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# Criteria and Planning Guidance for Ex-Plant Harvesting to Support Subsequent License Renewal

### December 2017

P Ramuhalli R Devanathan RM Meyer SW Glass K Knobbs



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## Criteria and Planning Guidance for Ex-Plant Harvesting to Support Subsequent License Renewal

P Ramuhalli	S	
R Devanathan	K	
RM Meyer		

SW Glass K Knobbs

December 2017

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## Criteria and Planning Guidance for Ex-Plant Harvesting to Support Subsequent License Renewal

## January 2017

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Prepared for the U.S. Department of Energy under Contract DE-AC05-76RL01830

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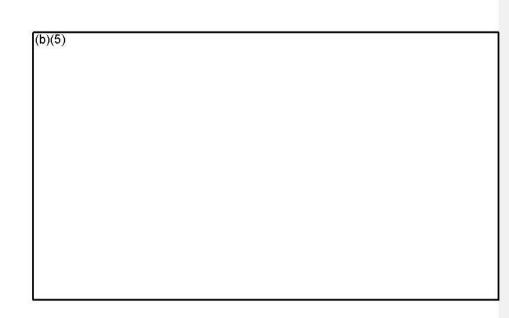
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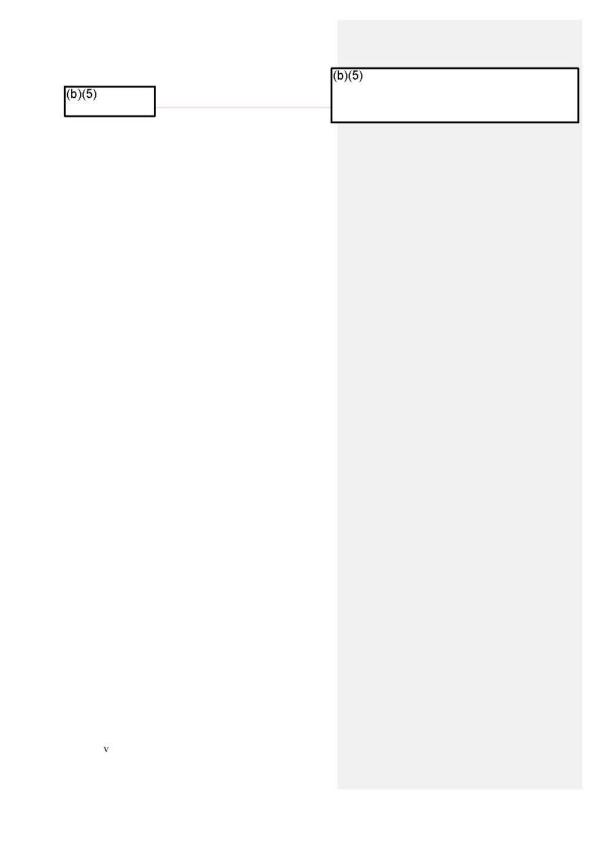
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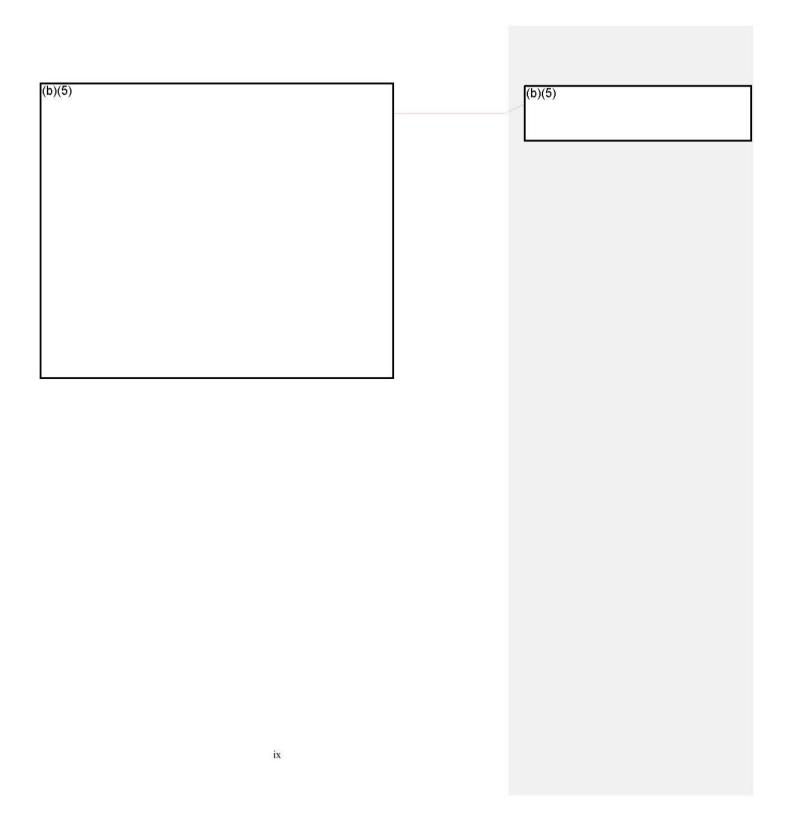
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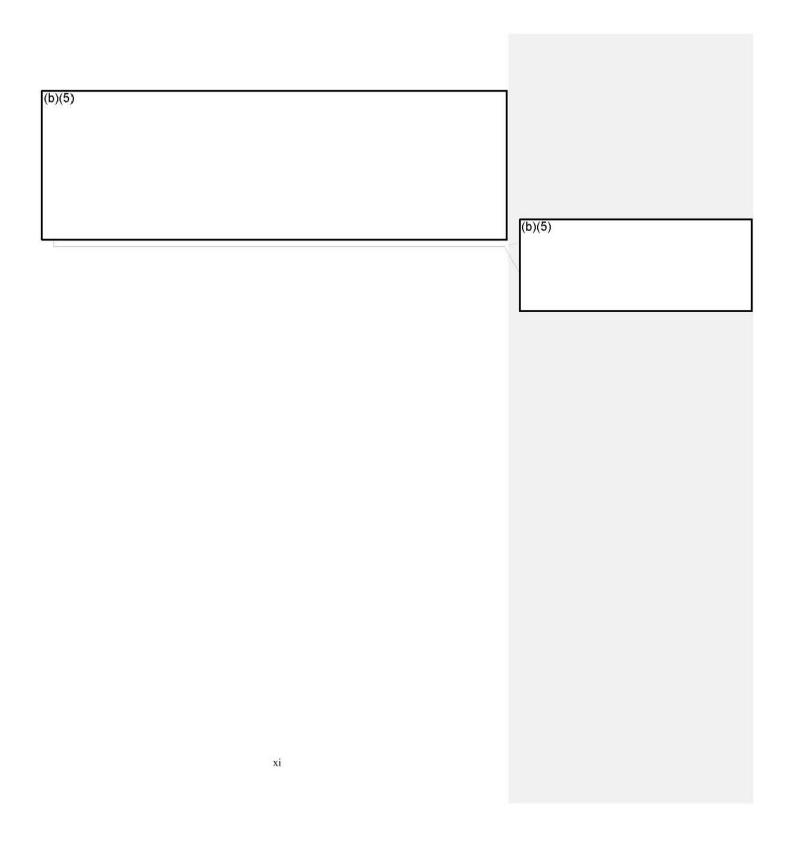
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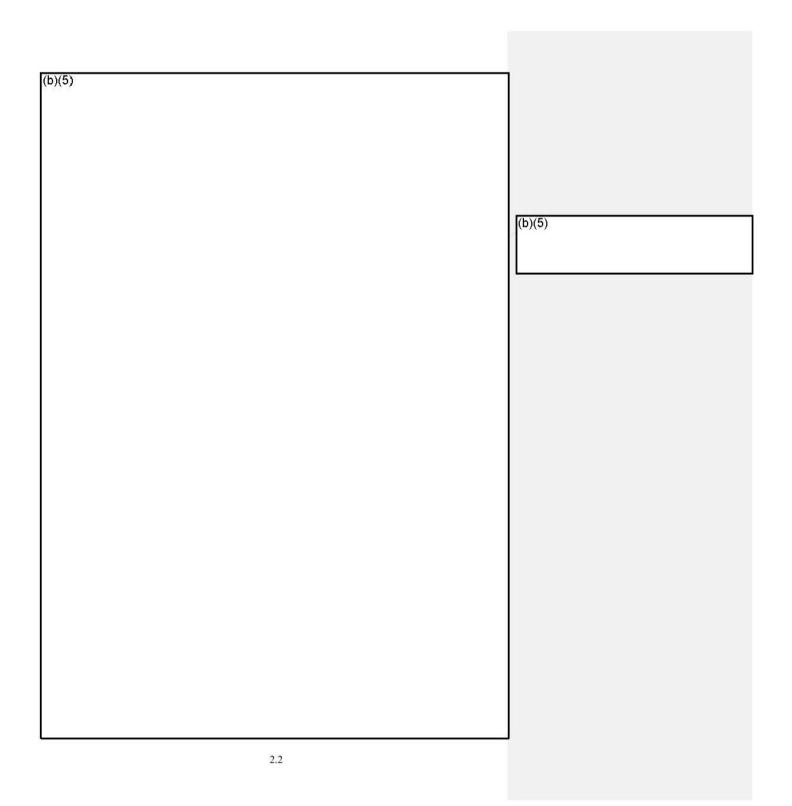




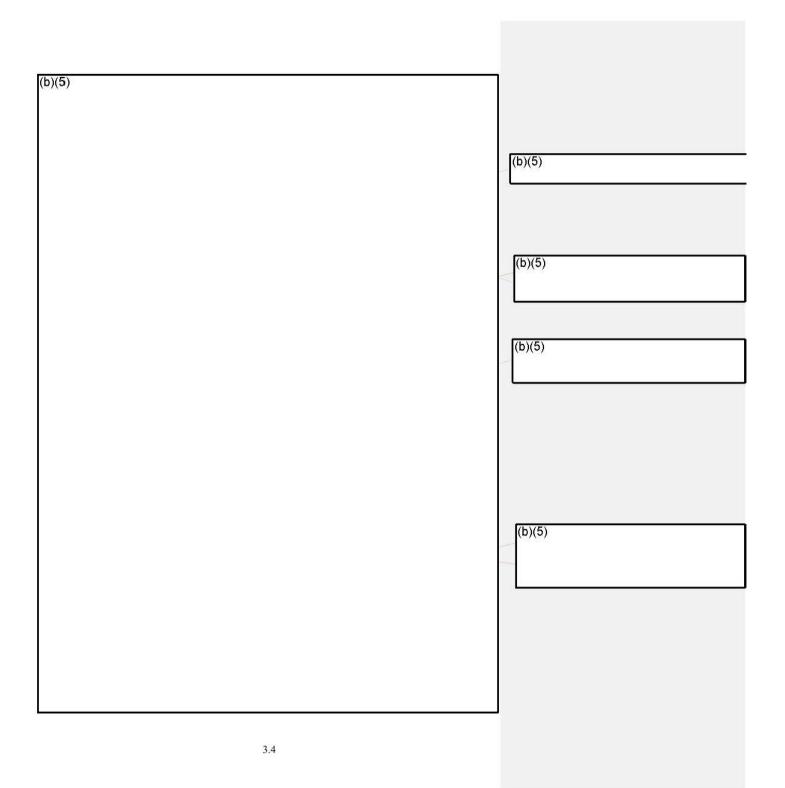
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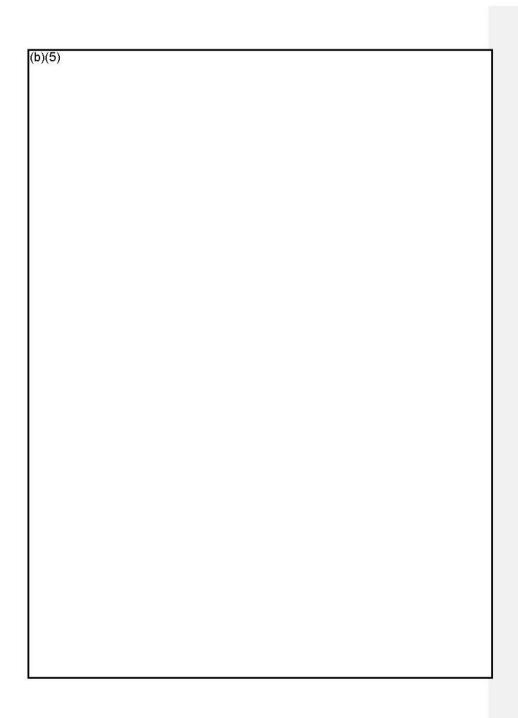
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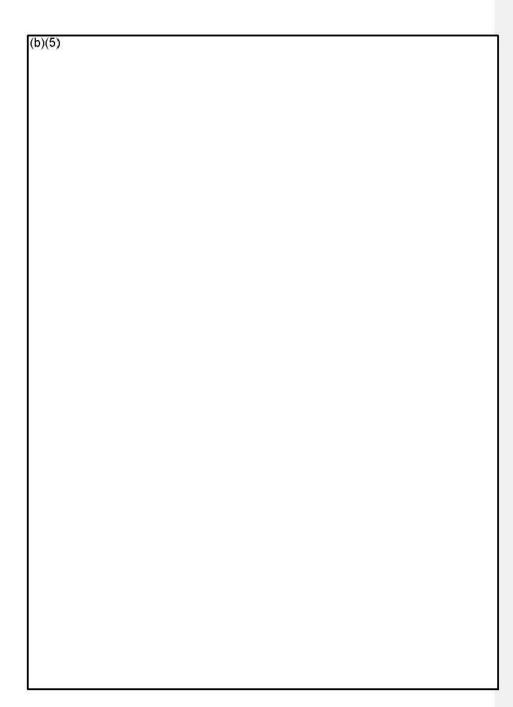
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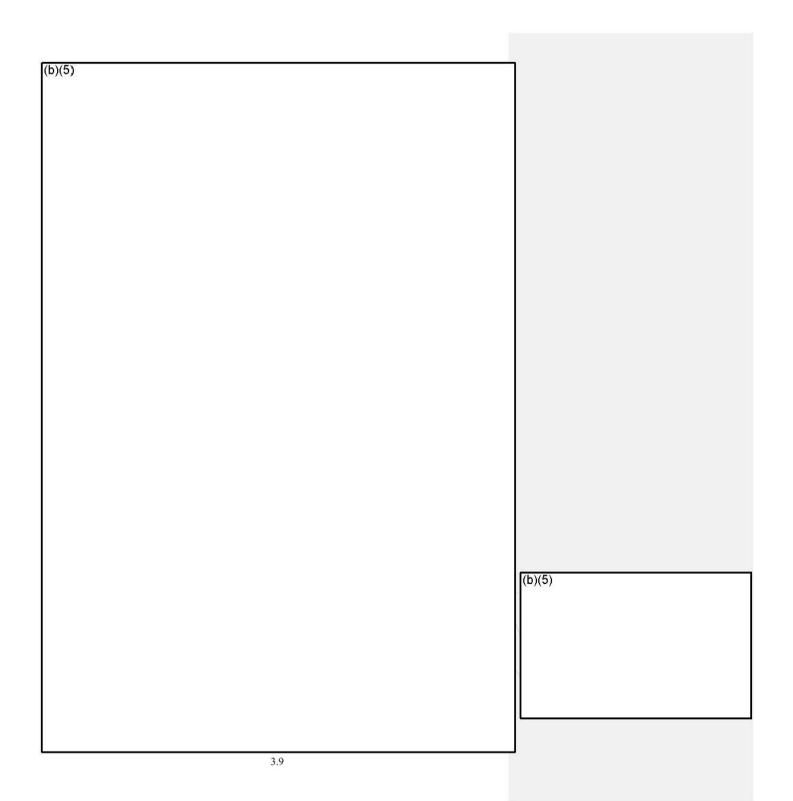






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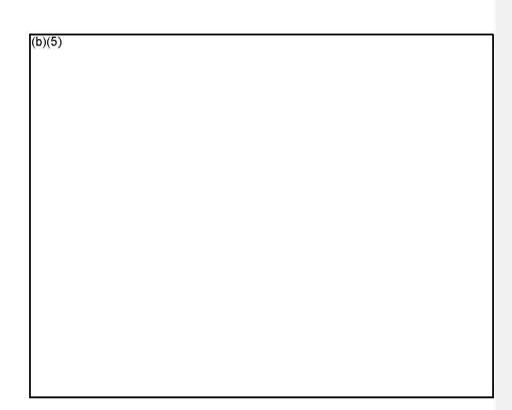
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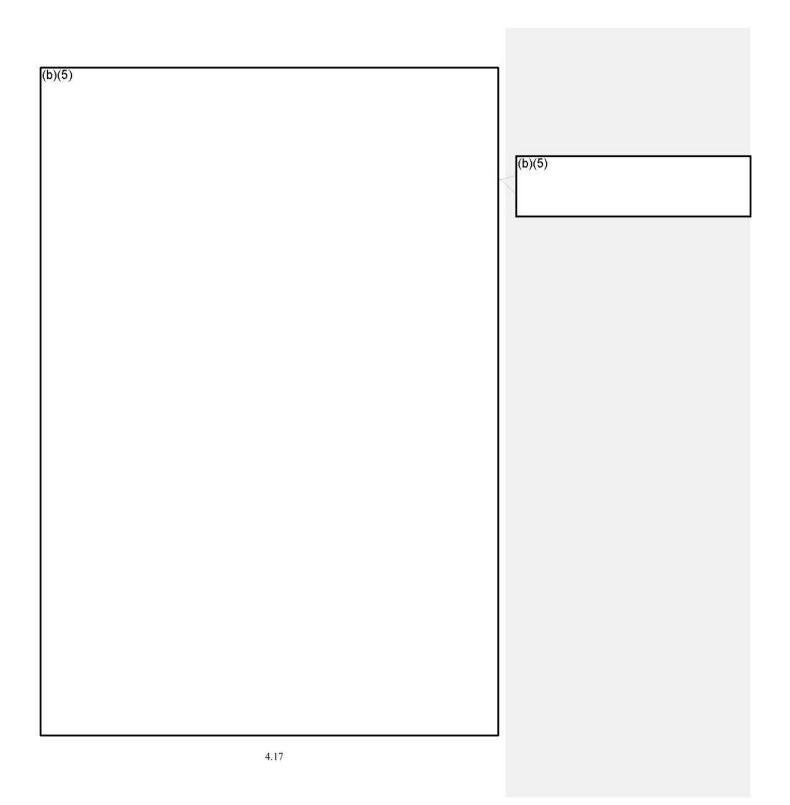
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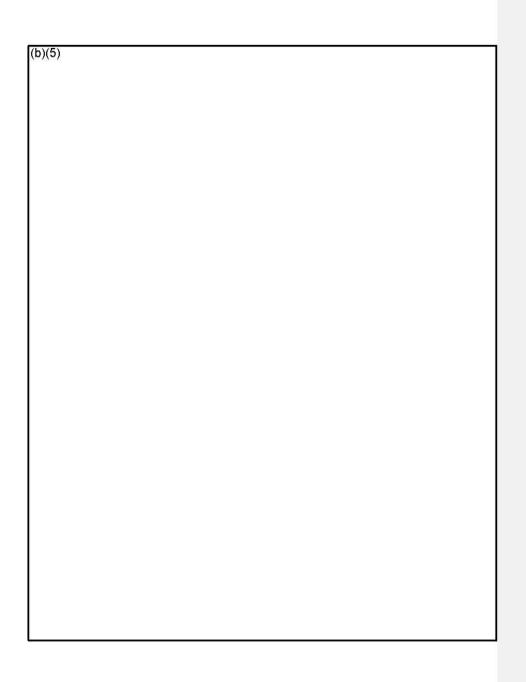
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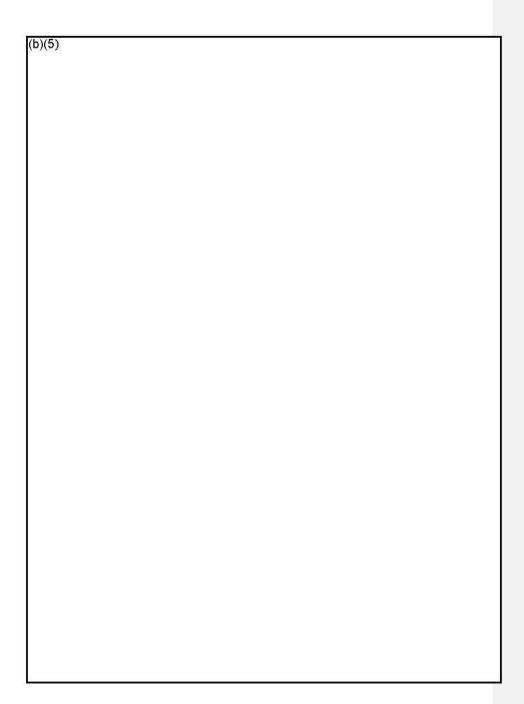
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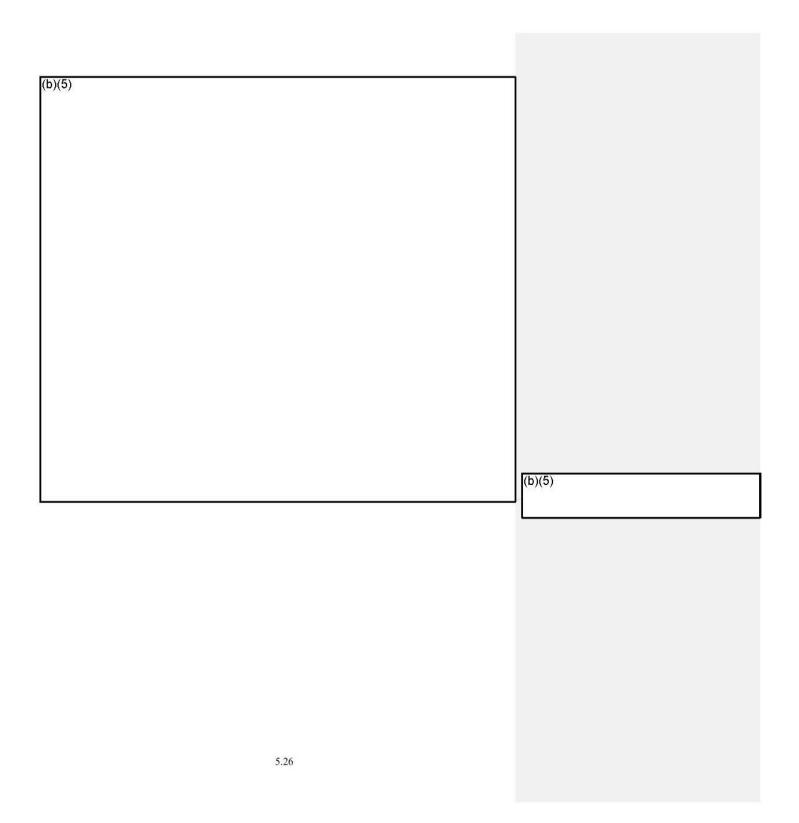


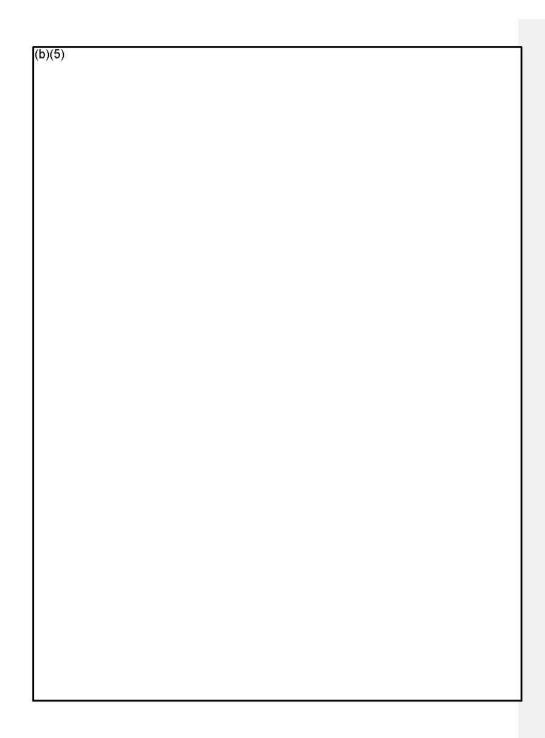
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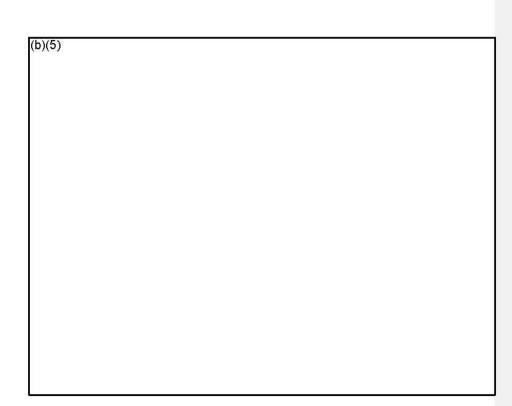
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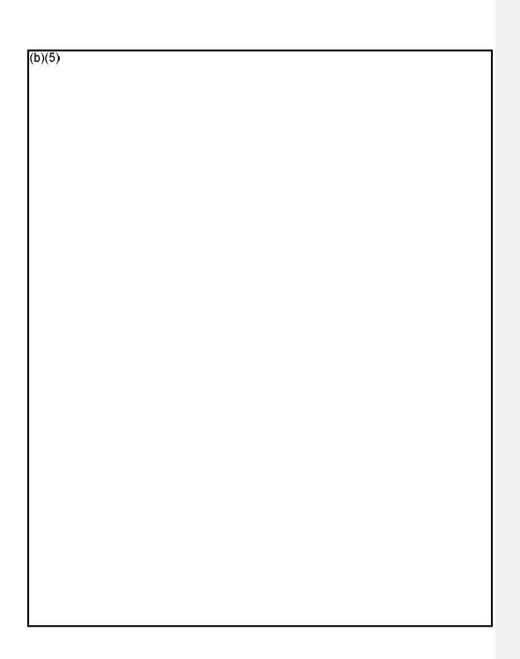
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