

Group members: Calvin Fry, Scott Lipp, Matt Radom Project Title/Topic: Robert Brewery  
 Evaluator: SDS LaVonne Stanger

Team Presentation Evaluation Form (100 points total)

| 1. Technical Content (70 points)                                                        | 66 | Not Addressed | Needs Improvement | Meets expectations | Exceeded Expectations | Comments |
|-----------------------------------------------------------------------------------------|----|---------------|-------------------|--------------------|-----------------------|----------|
| Formulates a design plan to attain a stated objective                                   |    |               |                   | ✓                  |                       |          |
| Approaches are appropriate for the project                                              |    |               |                   | ✓                  |                       |          |
| Work is appropriate for the time and resources available                                |    |               |                   |                    | ✓                     |          |
| Describes fundamental, relevant scientific and/or engineering principles                |    |               |                   |                    | ✓                     |          |
| Demonstrates understanding of required technical aspects                                |    |               |                   |                    | ✓                     |          |
| Presentation is technically sound                                                       |    |               |                   |                    | ✓                     |          |
| Uses suitable technical resources (literature, texts, etc)                              |    |               |                   |                    | ✓                     |          |
| 2. Oral presentation (20 points)                                                        | 17 |               |                   |                    |                       |          |
| Speaks comfortably with minimal prompts (notecards)                                     |    |               |                   |                    | ✓                     |          |
| Uses proper American English                                                            |    |               |                   |                    | ✓                     |          |
| Uses visual aids effectively                                                            |    |               |                   |                    | ✓                     |          |
| Speaks at a technical level suited for the audience                                     |    |               |                   |                    | ✓                     |          |
| Delivers organized oral presentation effectively.                                       |    |               |                   |                    | ✓                     |          |
| Presents well .mechanically. (does not block screen or exhibit nervous behaviors, etc.) |    |               |                   | ✓                  |                       |          |
| Makes sufficient eye contact                                                            |    |               |                   |                    | ✓                     |          |
| Speaks at an appropriate volume                                                         |    |               |                   |                    | ✓                     |          |
| Handles questions well                                                                  |    |               |                   |                    | ✓                     |          |
| Smooth transitions between group members'                                               |    |               |                   |                    | ✓                     |          |
| 3. Professionalism and team coordination (10 points)                                    | 8  |               |                   |                    |                       |          |
| Professional appearance                                                                 |    |               |                   | ✓                  |                       |          |
| Professional language                                                                   |    |               |                   |                    | ✓                     |          |
| Professional attitude                                                                   |    |               |                   |                    | ✓                     |          |
| Shares credit with team members                                                         |    |               |                   |                    | ✓                     |          |

-Hypo (?) BFD on 1st FED slide - ohh! Beer Flow Diagram

-Hops shortage

TOTAL POINTS: 91  
 General comments:  
 -Define objective - regional scale - 16% micro flow inc. in 2007  
 -batch grain milling - clogging (vibrations)  
 -enzymatic conversion of starch to sugars inc. bitterness  
 -25k bags - focused in NW  
 Hop resin - what is it  
 Flavor - chemistry? (esters - quantitative)  
 -Sparge - pressure driven  
 -Flavor - unfermented carbs - dextrins  
 -esters, ketones, aldehydes, acids  
 -Filter unit 1.5m isolate frame filter  
 -Heat transfer unit - Plate  
 -CO2 purge before cap  
 -Safety - details  
 -Waste boiler - boiling off SO<sub>2</sub> acids  
 -Whirlpool - size separation  
 -Heat transfer unit - Plate

Group members: *Fy, Liff, Redans, ...?*

Evaluator: *Gannon*

Project Title/Topic: *Brewery*

**Team Presentation Evaluation Form (100 points total)**

| 1. Technical Content (70 points)                                                        | Not Addressed | Needs Improvement | Meets expectations | Exceeded Expectations | Comments |
|-----------------------------------------------------------------------------------------|---------------|-------------------|--------------------|-----------------------|----------|
| Formulates a design plan to attain a stated objective                                   |               |                   | X                  |                       |          |
| Approaches are appropriate for the project                                              |               |                   | X                  |                       |          |
| Work is appropriate for the time and resources available                                |               |                   | X                  |                       |          |
| Describes fundamental, relevant scientific and/or engineering principles                |               |                   |                    |                       |          |
| Demonstrates understanding of required technical aspects                                |               |                   | X                  |                       |          |
| Presentation is technically sound                                                       |               |                   | X                  |                       |          |
| Uses suitable technical resources (literature, texts, etc)                              |               |                   | X                  |                       |          |
| 2. Oral presentation (20 points)                                                        |               |                   | X                  |                       |          |
| Speaks comfortably with minimal prompts (notecards)                                     |               |                   | X                  |                       |          |
| Uses proper American English                                                            |               |                   | X                  |                       |          |
| Uses visual aids effectively                                                            |               |                   | X                  |                       |          |
| Speaks at a technical level suited for the audience                                     |               |                   | X                  |                       |          |
| Delivers organized oral presentation effectively.                                       |               |                   | X                  |                       |          |
| Presents well .mechanically. (does not block screen or exhibit nervous behaviors, etc.) |               |                   | X                  |                       |          |
| Makes sufficient eye contact                                                            |               |                   | X                  |                       |          |
| Speaks at an appropriate volume                                                         |               |                   | X                  |                       |          |
| Handles questions well                                                                  |               |                   | X                  |                       |          |
| Smooth transitions between group members'                                               |               |                   | X                  |                       |          |
| 3. Professionalism and team coordination (10 points)                                    |               |                   | X                  |                       |          |
| Professional appearance                                                                 |               |                   | X                  |                       |          |
| Professional language                                                                   |               |                   | X                  |                       |          |
| Professional attitude                                                                   |               |                   | X                  |                       |          |
| Shares credit with team members                                                         |               |                   | X                  |                       |          |

**TOTAL POINTS:** 90

**General comments:**

Group members: Scott, LaVonne, Matt & Calvin

Evaluator: Abbie Richards

Project Title/Topic: Brewery

Team Presentation Evaluation Form (100 points total)

| 1. Technical Content (70 points)                                                        | 65 | Not Addressed | Needs Improvement | Meets expectations | Exceeded Expectations | Comments                                                  |
|-----------------------------------------------------------------------------------------|----|---------------|-------------------|--------------------|-----------------------|-----------------------------------------------------------|
| Formulates a design plan to attain a stated objective                                   |    |               |                   | X                  |                       |                                                           |
| Approaches are appropriate for the project                                              |    |               |                   | X                  |                       |                                                           |
| Work is appropriate for the time and resources available                                |    |               |                   | X                  |                       |                                                           |
| Describes fundamental, relevant scientific and/or engineering principles                |    |               |                   | X                  |                       |                                                           |
| Demonstrates understanding of required technical aspects                                |    |               |                   | X                  |                       |                                                           |
| Presentation is technically sound                                                       |    |               |                   | X                  |                       |                                                           |
| Uses suitable technical resources (literature, texts, etc)                              |    |               |                   | X                  |                       |                                                           |
| 2. Oral presentation (20 points)                                                        | 15 |               |                   |                    |                       |                                                           |
| Speaks comfortably with minimal prompts (notecards)                                     |    |               |                   | X                  |                       | → A little long                                           |
| Uses proper American English                                                            |    |               |                   | X                  |                       |                                                           |
| Uses visual aids effectively                                                            |    |               |                   | X                  |                       |                                                           |
| Speaks at a technical level suited for the audience                                     |    |               | X                 |                    |                       | Used same phrase w/out definition                         |
| Delivers organized oral presentation effectively.                                       |    |               |                   | X                  |                       | Some nervousness                                          |
| Presents well .mechanically. (does not block screen or exhibit nervous behaviors, etc.) |    |               |                   | X                  |                       | Volume was good → occasional trailing at end of sentences |
| Makes sufficient eye contact                                                            |    |               |                   | X                  |                       |                                                           |
| Speaks at an appropriate volume                                                         |    |               | X                 |                    |                       |                                                           |
| Handles questions well                                                                  |    |               | X                 |                    |                       |                                                           |
| Smooth transitions between group members'                                               |    |               |                   |                    |                       |                                                           |
| 3. Professionalism and team coordination (10 points)                                    | 8  |               |                   |                    |                       |                                                           |
| Professional appearance                                                                 |    |               |                   | X                  |                       |                                                           |
| Professional language                                                                   |    |               |                   | X                  |                       |                                                           |
| Professional attitude                                                                   |    |               |                   | X                  |                       |                                                           |
| Shares credit with team members                                                         |    |               |                   | X                  |                       |                                                           |

TOTAL POINTS: 88

General comments:

Group members: *CALVIN FRY* *MATT RADONS* *Project Title/Topic: BREWERY*  
 Evaluator: *SCOTT LIPP* *LAVOUNE STAMMER* *PEYTON*

**Team Presentation Evaluation Form (100 points total)**

| 1. Technical Content (70 points)                                                        | 65 | Not Addressed | Needs Improvement | Meets expectations | Exceeded Expectations | Comments |
|-----------------------------------------------------------------------------------------|----|---------------|-------------------|--------------------|-----------------------|----------|
| Formulates a design plan to attain a stated objective                                   |    |               |                   | ✓                  |                       |          |
| Approaches are appropriate for the project                                              |    |               |                   | ✓                  |                       |          |
| Work is appropriate for the time and resources available                                |    |               |                   | ✓                  |                       |          |
| Describes fundamental, relevant scientific and/or engineering principles                |    |               |                   | ✓                  | ✓                     |          |
| Demonstrates understanding of required technical aspects                                |    |               |                   | ✓                  | ✓                     |          |
| Presentation is technically sound                                                       |    |               |                   | ✓                  | ✓                     |          |
| Uses suitable technical resources (literature, texts, etc)                              |    |               |                   | ✓                  |                       |          |
| 2. Oral presentation (20 points)                                                        | 17 |               |                   |                    |                       |          |
| Speaks comfortably with minimal prompts (notecards)                                     |    |               |                   | ✓                  |                       |          |
| Uses proper American English                                                            |    |               |                   | ✓                  |                       |          |
| Uses visual aids effectively                                                            |    |               |                   | ✓                  |                       |          |
| Speaks at a technical level suited for the audience                                     |    |               |                   | ✓                  |                       |          |
| Delivers organized oral presentation effectively.                                       |    |               |                   | ✓                  |                       |          |
| Presents well .mechanically. (does not block screen or exhibit nervous behaviors, etc.) |    |               |                   | ✓                  |                       |          |
| Makes sufficient eye contact                                                            |    |               |                   | ✓                  | ✓                     |          |
| Speaks at an appropriate volume                                                         |    |               |                   | ✓                  |                       |          |
| Handles questions well                                                                  |    |               |                   | ✓                  |                       |          |
| Smooth transitions between group members'                                               |    |               |                   | ✓                  |                       |          |
| 3. Professionalism and team coordination (10 points)                                    | 9  |               |                   |                    |                       |          |
| Professional appearance                                                                 |    |               |                   | ✓                  |                       |          |
| Professional language                                                                   |    |               |                   | ✓                  |                       |          |
| Professional attitude                                                                   |    |               |                   | ✓                  |                       |          |
| Shares credit with team members                                                         |    |               |                   | ✓                  |                       |          |

**TOTAL POINTS:** 91  
**General comments:**

Group members: *Calvin, Scott, Brett, LaVonne*

Evaluator: *R Geselach*

Project Title/Topic: *Boreal Brewery*

**Team Presentation Evaluation Form (100 points total)**

| 1. Technical Content (70 points)                                                        | 60 | Not Addressed | Needs Improvement | Meets expectations | Exceeded Expectations | Comments      |
|-----------------------------------------------------------------------------------------|----|---------------|-------------------|--------------------|-----------------------|---------------|
| Formulates a design plan to attain a stated objective                                   |    |               |                   | ✓                  |                       |               |
| Approaches are appropriate for the project                                              |    |               |                   | ✓                  |                       |               |
| Work is appropriate for the time and resources available                                |    |               |                   | ✓                  |                       |               |
| Describes fundamental, relevant scientific and/or engineering principles                |    |               | ✓                 |                    |                       |               |
| Demonstrates understanding of required technical aspects                                |    |               | ✓                 |                    |                       |               |
| Presentation is technically sound                                                       |    |               | ✓                 |                    |                       |               |
| Uses suitable technical resources (literature, texts, etc)                              |    |               |                   |                    |                       |               |
| 2. Oral presentation (20 points)                                                        | 15 |               |                   |                    |                       | 3 mostly URLs |
| Speaks comfortably with minimal prompts (notecards)                                     |    |               |                   | ✓                  |                       |               |
| Uses proper American English                                                            |    |               |                   | ✓                  |                       |               |
| Uses visual aids effectively                                                            |    |               |                   | ✓                  |                       |               |
| Speaks at a technical level suited for the audience                                     |    |               |                   | ✓                  |                       |               |
| Delivers organized oral presentation effectively.                                       |    |               |                   | ✓                  |                       |               |
| Presents well .mechanically. (does not block screen or exhibit nervous behaviors, etc.) |    |               |                   | ✓                  |                       |               |
| Makes sufficient eye contact                                                            |    |               |                   | ✓                  |                       |               |
| Speaks at an appropriate volume                                                         |    |               |                   | ✓                  |                       |               |
| Handles questions well                                                                  |    |               |                   | ✓                  |                       |               |
| Smooth transitions between group members'                                               |    |               |                   | ✓                  |                       |               |
| 3. Professionalism and team coordination (10 points)                                    | 8  |               |                   |                    |                       |               |
| Professional appearance                                                                 |    |               |                   | ✓                  |                       |               |
| Professional language                                                                   |    |               |                   | ✓                  |                       |               |
| Professional attitude                                                                   |    |               |                   | ✓                  |                       |               |
| Shares credit with team members                                                         |    | ✓             |                   |                    |                       |               |

**TOTAL POINTS:** 83

**General comments:**

*Very little technical detail w/ the exception of LaVonne  
really didn't convince me / get me interested /...*

Group members: Scott, Calvin, VanDine, Raton Project Title/Topic: Stewkey

Evaluator:

**Team Presentation Evaluation Form (100 points total)**

| 1. Technical Content (70 points)                                                        | Not Addressed | Needs Improvement | Meets expectations | Exceeded Expectations | Comments |
|-----------------------------------------------------------------------------------------|---------------|-------------------|--------------------|-----------------------|----------|
| Formulates a design plan to attain a stated objective                                   |               |                   |                    |                       |          |
| Approaches are appropriate for the project                                              |               |                   |                    |                       |          |
| Work is appropriate for the time and resources available                                |               |                   |                    |                       |          |
| Describes fundamental, relevant scientific and/or engineering principles                |               |                   |                    |                       |          |
| Demonstrates understanding of required technical aspects                                |               |                   |                    |                       |          |
| Presentation is technically sound                                                       |               |                   |                    |                       |          |
| Uses suitable technical resources (literature, texts, etc)                              |               |                   |                    |                       |          |
| 2. Oral presentation (20 points)                                                        |               |                   |                    |                       |          |
| Speaks comfortably with minimal prompts (notecards)                                     |               |                   |                    |                       |          |
| Uses proper American English                                                            |               |                   |                    |                       |          |
| Uses visual aids effectively                                                            |               |                   |                    |                       |          |
| Speaks at a technical level suited for the audience                                     |               |                   |                    |                       |          |
| Delivers organized oral presentation effectively.                                       |               |                   |                    |                       |          |
| Presents well .mechanically. (does not block screen or exhibit nervous behaviors, etc.) |               |                   |                    |                       |          |
| Makes sufficient eye contact                                                            |               |                   |                    |                       |          |
| Speaks at an appropriate volume                                                         |               |                   |                    |                       |          |
| Handles questions well                                                                  |               |                   |                    |                       |          |
| Smooth transitions between group members'                                               |               |                   |                    |                       |          |
| 3. Professionalism and team coordination (10 points)                                    |               |                   |                    |                       |          |
| Professional appearance                                                                 |               |                   |                    |                       |          |
| Professional language                                                                   |               |                   |                    |                       |          |
| Professional attitude                                                                   |               |                   |                    |                       |          |
| Shares credit with team members                                                         |               |                   |                    |                       |          |

TOTAL POINTS: 90

General comments:

NAMES

UNLESS ON PPT WOULD HELP, SCOTT DID NICE JOB - COULD HAVE DIVIDED UP RESPONSES A BIT MORE, A LITTLE WORK ON TIME - ~~GOOD~~

WORTH THE 'GARRY' TOPS COMMENT :)

SHOW ANSWER

Group members: CALVIN RY MATT RADONS  
SCOTT LIPP LAVONNE BOWEN  
Evaluator: SHAFER

Project Title/Topic: BREWER

Team Presentation Evaluation Form (100 points total)

| 1. Technical Content (70 points)                                                        | Not Addressed | Needs Improvement | Meets expectations | Exceeded Expectations | Comments |
|-----------------------------------------------------------------------------------------|---------------|-------------------|--------------------|-----------------------|----------|
| Formulates a design plan to attain a stated objective                                   |               |                   | X                  |                       |          |
| Approaches are appropriate for the project                                              |               |                   | X                  |                       |          |
| Work is appropriate for the time and resources available                                |               |                   |                    | X                     |          |
| Describes fundamental, relevant scientific and/or engineering principles                |               |                   | X                  |                       |          |
| Demonstrates understanding of required technical aspects                                |               |                   | X                  |                       |          |
| Presentation is technically sound                                                       |               |                   | X                  |                       |          |
| Uses suitable technical resources (literature, texts, etc)                              |               |                   | X                  |                       |          |
| 2. Oral presentation (20 points)                                                        |               |                   |                    |                       |          |
| Speaks comfortably with minimal prompts (notecards)                                     |               |                   |                    | X                     |          |
| Uses proper American English                                                            |               |                   | X                  |                       |          |
| Uses visual aids effectively                                                            |               |                   | X                  |                       |          |
| Speaks at a technical level suited for the audience                                     |               |                   | X                  |                       |          |
| Delivers organized oral presentation effectively.                                       |               |                   | X                  |                       |          |
| Presents well .mechanically. (does not block screen or exhibit nervous behaviors, etc.) |               |                   | X                  |                       |          |
| Makes sufficient eye contact                                                            |               |                   | X                  |                       |          |
| Speaks at an appropriate volume                                                         |               |                   | X                  |                       |          |
| Handles questions well                                                                  |               |                   |                    | X                     |          |
| Smooth transitions between group members'                                               |               |                   | X                  |                       |          |
| 3. Professionalism and team coordination (10 points)                                    |               |                   |                    |                       |          |
| Professional appearance                                                                 |               |                   | X                  |                       |          |
| Professional language                                                                   |               |                   | X                  |                       |          |
| Professional attitude                                                                   |               |                   | X                  |                       |          |
| Shares credit with team members                                                         |               |                   | X                  |                       |          |

TOTAL POINTS: 96  
General comments:

Group members: Fry, Lipp, Radons, Stamper  
 Evaluator: Heys  
 Project Title/Topic: Bobcat Brewery

Team Presentation Evaluation Form (100 points total)

| 1. Technical Content (70 points)                                                        | Not Addressed | Needs Improvement | Meets expectations | Exceeded Expectations | Comments                        |
|-----------------------------------------------------------------------------------------|---------------|-------------------|--------------------|-----------------------|---------------------------------|
| Formulates a design plan to attain a stated objective                                   |               |                   | X                  |                       |                                 |
| Approaches are appropriate for the project                                              |               |                   | X                  |                       |                                 |
| Work is appropriate for the time and resources available                                |               |                   | X                  |                       |                                 |
| Describes fundamental, relevant scientific and/or engineering principles                |               |                   |                    |                       |                                 |
| Demonstrates understanding of required technical aspects                                |               |                   | X                  |                       | More equations please           |
| Presentation is technically sound                                                       |               |                   | X                  |                       |                                 |
| Uses suitable technical resources (literature, texts, etc)                              |               |                   |                    | X                     | Excellent chemistry description |
| 2. Oral presentation (20 points)                                                        |               |                   |                    |                       |                                 |
| Speaks comfortably with minimal prompts (notecards)                                     |               |                   | X                  | X                     | Refs on most slides !!          |
| Uses proper American English                                                            |               |                   | X                  |                       |                                 |
| Uses visual aids effectively                                                            |               | X                 | X                  |                       |                                 |
| Speaks at a technical level suited for the audience                                     |               |                   |                    |                       | Label parts of PFD              |
| Delivers organized oral presentation effectively.                                       |               |                   | X                  |                       |                                 |
| Presents well .mechanically. (does not block screen or exhibit nervous behaviors, etc.) |               |                   | X                  |                       |                                 |
| Makes sufficient eye contact                                                            |               | X                 |                    |                       | Take hands out of pockets       |
| Speaks at an appropriate volume                                                         |               |                   | X                  |                       |                                 |
| Handles questions well                                                                  |               |                   | X                  |                       | Could be more enthusiastic      |
| Smooth transitions between group members'                                               |               |                   | X                  |                       |                                 |
| 3. Professionalism and team coordination (10 points)                                    |               |                   |                    |                       |                                 |
| Professional appearance                                                                 |               |                   | X                  |                       |                                 |
| Professional language                                                                   |               |                   | X                  |                       |                                 |
| Professional attitude                                                                   |               |                   | X                  |                       |                                 |
| Shares credit with team members                                                         |               |                   | X                  |                       |                                 |

TOTAL POINTS: \_\_\_\_\_  
 General comments: \_\_\_\_\_