

Project Profile



Confidential Client (cont'd.)

H1N1 Vaccine Manufacturer

IPS Value Added

- Employed a fast track approach to meet aggressive timeline
- Utilized a risk- and science-based approach as basis for sequencing of events and tests
- Identified bottleneck and resources issues and provided potential alternative for resolutions
- Provided a communication tool for schedule changes and resource needs
- Developed and implemented a proactive schedule and expedited solutions for identified issues
- Highlighted spatial conflicts between functions (i.e., QC for sampling and Bulk for PQ) and managed schedule to ensure functional needs of all teams was met
- Enhanced visibility and managerial span of control in terms of resource management and constraints

| QC Work Load by Day (Media Fill / exclude Adjuvant related activities) | | | | | | | | | | | | | | |
|--|--------------------------------------|------------|------------------------------|------------|----------------------|-----------------|---------------|------------|---|---|-----|-----|---|---------------------------|
| Room | Date | FLL | BLA & 107 | Capacity | SBM | A | A | A | A | A | A | A | A | TOTAL Duration 10 hrs SBM |
| Day 1 Eng Fill | Monday, August 17, 2009 | 4.0 | | | | 4.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 |
| Day 2 Eng Fill | Tuesday, August 18, 2009 | 4.0 | | | | 4.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 |
| Post Run Eng Fill (P/Q) | Wednesday, August 19, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| Post Run Eng Fill (P/Q) | Thursday, August 20, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| Post Run Eng Fill (P/Q) | Friday, August 21, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| Post Run Eng Fill (3-6 Days) / Flex | Saturday, August 22, 2009 | 3.4 | | | | 3.4 | 1 | 1 | 1 | 1 | 0.5 | 1 | 1 | 3.5 |
| Post Run Eng Fill (P/Q) | Sunday, August 23, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| Post Run Eng Fill (3-6 Days) / Flex | Monday, August 24, 2009 | 2.4 | 0.7 | | | 3.2 | 1 | 1 | 1 | 1 | 0.5 | 1 | 1 | 7.5 |
| Post Run Eng Fill (P/Q) | Tuesday, August 25, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run Eng Fill (P/Q) | Wednesday, August 26, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run Eng Fill (P/Q) | Thursday, August 27, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run Eng Fill (P/Q) | Friday, August 28, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Day 1 Fill In | Monday, August 31, 2009 | 4.0 | | | | 4.2 | 1 | 1 | 1 | 1 | 1 | 0.5 | 1 | 11 |
| Day 2 Fill In | Tuesday, September 01, 2009 | 4.0 | 0.7 | | | 4.9 | 1 | 1 | 1 | 1 | 1 | 0.5 | 1 | 11 |
| Post Run 1st Fill (P/Q) | Wednesday, September 02, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 1st Fill (P/Q) | Thursday, September 03, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 1st Fill (P/Q) | Friday, September 04, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 1st Fill (3-6 Days) / Flex | Saturday, September 05, 2009 | 3.4 | 0.7 | | | 4.2 | 1 | 1 | 1 | 1 | 1 | 0.5 | 1 | 11 |
| Post Run 1st Fill (P/Q) | Sunday, September 06, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 1st Fill (3-6 Days) / Flex | Monday, September 07, 2009 | 4.0 | 0.4 | | | 4.4 | 1 | 1 | 1 | 1 | 1 | 0.5 | 1 | 7 |
| Post Run 1st Fill (P/Q) | Tuesday, September 08, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 2nd Fill (P/Q) | Wednesday, September 09, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 2nd Fill (P/Q) | Thursday, September 10, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 2nd Fill (P/Q) | Friday, September 11, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 2nd Fill (3-6 Days) / Flex | Saturday, September 12, 2009 | 3.4 | 0.4 | | | 3.8 | 1 | 1 | 1 | 1 | 1 | 0.5 | 1 | 4 |
| Post Run 2nd Fill (P/Q) | Sunday, September 13, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 2nd Fill (3-6 Days) / Flex | Monday, September 14, 2009 | 3.4 | 0.4 | | | 3.8 | 1 | 1 | 1 | 1 | 1 | 0.5 | 1 | 4 |
| Post Run 3rd Fill (P/Q) | Tuesday, September 15, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 3rd Fill (P/Q) | Wednesday, September 16, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 3rd Fill (P/Q) | Thursday, September 17, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 3rd Fill (P/Q) | Friday, September 18, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 3rd Fill (3-6 Days) / Flex | Saturday, September 19, 2009 | 3.4 | | | | 3.4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| Post Run 3rd Fill (3-6 Days) / Flex | Sunday, September 20, 2009 | 3.4 | 0.4 | | | 3.8 | 1 | 1 | 1 | 1 | 1 | 0.5 | 1 | 7.5 |
| Post Run 3rd Fill (P/Q) | Monday, September 21, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 3rd Fill (P/Q) | Tuesday, September 22, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 3rd Fill (P/Q) | Wednesday, September 23, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Post Run 3rd Fill (P/Q) | Thursday, September 24, 2009 | | | | | 5.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| Total based on 8 hrs per day | Current Util % per 8 hrs day | 73% | Total Shifts / 8 hrs | 214 | <-Required | Capacity | --> | 294 | | | | | | |
| Total based on 10 hrs per day | Current Util % per 10 hrs day | 58% | Total Shifts / 10 hrs | 214 | <-Required | Capacity | --> | 368 | | | | | | |

| EM: Non-Viable (S Equipment / Sites at the Time) / Tests and Contact will be done automatically ALL DURATION ARE IN MINUTES | | | | | | | | | | | | | | |
|---|--------------------------------------|-------------------|------------------------------|-------------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|
| Room | Date | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | Sample Prep (SPT) | TOTAL Duration 10 hrs SBM |
| Day 1 Sample Prep (SPT) | Monday, August 17, 2009 | 40 | | | | | | | | | | | | 5 |
| Day 2 Sample Prep (SPT) | Tuesday, August 18, 2009 | 40 | | | | | | | | | | | | 5 |
| Post Run Eng Fill (P/Q) | Wednesday, August 19, 2009 | | | | | | | | | | | | | 9 |
| Post Run Eng Fill (P/Q) | Thursday, August 20, 2009 | | | | | | | | | | | | | 9 |
| Post Run Eng Fill (P/Q) | Friday, August 21, 2009 | | | | | | | | | | | | | 9 |
| Post Run Eng Fill (3-6 Days) / Flex | Saturday, August 22, 2009 | 34 | | | | | | | | | | | | 3.5 |
| Post Run Eng Fill (P/Q) | Sunday, August 23, 2009 | | | | | | | | | | | | | 9 |
| Post Run Eng Fill (3-6 Days) / Flex | Monday, August 24, 2009 | 24 | 0.7 | | | | | | | | | | | 7.5 |
| Post Run Eng Fill (P/Q) | Tuesday, August 25, 2009 | | | | | | | | | | | | | 11 |
| Post Run Eng Fill (P/Q) | Wednesday, August 26, 2009 | | | | | | | | | | | | | 11 |
| Post Run Eng Fill (P/Q) | Thursday, August 27, 2009 | | | | | | | | | | | | | 11 |
| Post Run Eng Fill (P/Q) | Friday, August 28, 2009 | | | | | | | | | | | | | 11 |
| Day 1 Fill In | Monday, August 31, 2009 | 40 | | | | | | | | | | | | 11 |
| Day 2 Fill In | Tuesday, September 01, 2009 | 40 | 0.7 | | | | | | | | | | | 11 |
| Post Run 1st Fill (P/Q) | Wednesday, September 02, 2009 | | | | | | | | | | | | | 11 |
| Post Run 1st Fill (P/Q) | Thursday, September 03, 2009 | | | | | | | | | | | | | 11 |
| Post Run 1st Fill (P/Q) | Friday, September 04, 2009 | | | | | | | | | | | | | 11 |
| Post Run 1st Fill (3-6 Days) / Flex | Saturday, September 05, 2009 | 34 | 0.7 | | | | | | | | | | | 11 |
| Post Run 1st Fill (P/Q) | Sunday, September 06, 2009 | | | | | | | | | | | | | 11 |
| Post Run 1st Fill (3-6 Days) / Flex | Monday, September 07, 2009 | 40 | 0.4 | | | | | | | | | | | 7 |
| Post Run 1st Fill (P/Q) | Tuesday, September 08, 2009 | | | | | | | | | | | | | 11 |
| Post Run 2nd Fill (P/Q) | Wednesday, September 09, 2009 | | | | | | | | | | | | | 11 |
| Post Run 2nd Fill (P/Q) | Thursday, September 10, 2009 | | | | | | | | | | | | | 11 |
| Post Run 2nd Fill (P/Q) | Friday, September 11, 2009 | | | | | | | | | | | | | 11 |
| Post Run 2nd Fill (3-6 Days) / Flex | Saturday, September 12, 2009 | 34 | 0.4 | | | | | | | | | | | 4 |
| Post Run 2nd Fill (P/Q) | Sunday, September 13, 2009 | | | | | | | | | | | | | 11 |
| Post Run 2nd Fill (3-6 Days) / Flex | Monday, September 14, 2009 | 34 | 0.4 | | | | | | | | | | | 4 |
| Post Run 3rd Fill (P/Q) | Tuesday, September 15, 2009 | | | | | | | | | | | | | 11 |
| Post Run 3rd Fill (P/Q) | Wednesday, September 16, 2009 | | | | | | | | | | | | | 11 |
| Post Run 3rd Fill (P/Q) | Thursday, September 17, 2009 | | | | | | | | | | | | | 11 |
| Post Run 3rd Fill (P/Q) | Friday, September 18, 2009 | | | | | | | | | | | | | 11 |
| Post Run 3rd Fill (3-6 Days) / Flex | Saturday, September 19, 2009 | 34 | | | | | | | | | | | | 4 |
| Post Run 3rd Fill (3-6 Days) / Flex | Sunday, September 20, 2009 | 34 | 0.4 | | | | | | | | | | | 7.5 |
| Post Run 3rd Fill (P/Q) | Monday, September 21, 2009 | | | | | | | | | | | | | 11 |
| Post Run 3rd Fill (P/Q) | Tuesday, September 22, 2009 | | | | | | | | | | | | | 11 |
| Post Run 3rd Fill (P/Q) | Wednesday, September 23, 2009 | | | | | | | | | | | | | 11 |
| Post Run 3rd Fill (P/Q) | Thursday, September 24, 2009 | | | | | | | | | | | | | 11 |
| Total based on 8 hrs per day | Current Util % per 8 hrs day | 73% | Total Shifts / 8 hrs | 214 | <-Required | Capacity | --> | 294 | | | | | | |
| Total based on 10 hrs per day | Current Util % per 10 hrs day | 58% | Total Shifts / 10 hrs | 214 | <-Required | Capacity | --> | 368 | | | | | | |

A sampling of output from the scheduling tools used throughout the project. (Confidential information was removed)

