APPENDIX A

Final Inspections – Attachment A

URS

MUSCOY OU RA / ENCANTO PARK BOOSTER PUMP STATION

FINAL INSPECTION FORM

Contract No.: EPA Contract No. 68-W-98-225; WA No. 069-RARA-09J5 Date: 10/11/05
URS Project No.: 18600069
Project Title: Muscoy Operable Unit (OU) Remedial Action (RA)
Definable Feature of Work: Encanto Park Booster Pump Station

A. Personnel Present

Name	Position	Organization
1. Stacey Aldstadt (NOT PRESENT DURING INSP.)	General Manager	SBMWD
2. Bill Bryden	Director, Water Utility	SBMWD
3. Mike Lowe	Water Department Operations	SBMWD
3. Mike Garland	Water Department Operations	SBMWD
4. Terry Tonn	Water Utility Construction PM	SBMWD
5. Dave Solomona	SCADA/Instrumentation Engineer	SBMWD
6. Lana Kennerly	Project Coordinator	SBMWD
7. Mark Eisen	SBMWD Consultant	Secor
8. Bob Kemmerle	Quality Assurance Officer	E2
9. Kim Hoang	Work Assignment Manager	EPA
10. Dwayne Deutscher	Site Manager	URS
11. Dennis Bane	Program Hydrogeologist	URS
12. Nick Reylek	Resident Inspector	URS
13. Adam Harvey	Project Engineer	URS

(List additional personnel on reverse side.)

This is to certify that the above referenced Definable Feature of Work has been completed and inspected in accordance with the final design, and is accepted by the personnel listed below with the exceptions listed on Attachment A. Note that this form is for acceptance of the Encanto Park Booster Pump Station only. The undercrossing, pipelines, and 19th Street Treatment Plant were accepted previously on separate acceptance forms. The Muscoy extraction wells and Muscoy monitoring wells will be accepted on separate forms.

Attachment A is the List of Exceptions. This list is acceptable to signers as of this date. These items will be inspected and accepted at a future time.

Stacey Aldstadt 10-12-05
City of San Bernardino Municipal Water Dept.

W. William Bryden 10-12-05
City of San Bernardino Municipal Water Dept.

U.S. EPA

Robert L Kemmerle
E2

Nick Reylek
URS Resident Inspector

Mike C. Lowe
URS Construction Manager

Dwayne A Deutscher
URS Site Manager

Harvey
URS Engineer

Attachment A
Encanto Park Booster Pump Station

Exceptions noted during the Final Inspection performed on October 11, 2005.

1. Chlorine, Temperature, pH, and Pressure probes setup, incorporation into SCADA, testing, and training for City.
2. Electrical shakedown checklist and punch list (SCADA signal verifications, wiring checks, etc.)
    a. Muni stop request signal
    b. Alarm setup at Operations Center
3. Modify the orientation of the surge tank sight glass to improve access to surge system control panel.

URS

MUSCOY OU RA / EXTRACTION WELLS

FINAL INSPECTION FORM

Contract No.: EPA Contract No. 68-W-98-225; WA No. 069-RARA-09J5 Date: 10/11/05
URS Project No.: 18600069
Project Title: Muscoy Operable Unit (OU) Remedial Action (RA)
Definable Feature of Work: Muscoy Extraction Wells

A. Personnel Present

Name	Position	Organization
1. Stacey Aldstadt (NOT PRESENT DURING INSPECTION)	General Manager	SBMWD
2. Bill Bryden	Director, Water Utility	SBMWD
3. Mike Lowe	Water Department Operations	SBMWD
3. Mike Garland	Water Department Operations	SBMWD
4. Terry Tonn	Water Utility Construction PM	SBMWD
5. Dave Solomona	SCADA/Instrumentation Engineer	SBMWD
6. Lana Kennerly	Project Coordinator	SBMWD
7. Mark Eisen	SBMWD Consultant	Secor
8. Bob Kemmerle	Quality Assurance Officer	E2
9. Kim Hoang	Work Assignment Manager	EPA
10. Dwayne Deutscher	Site Manager	URS
11. Dennis Bane	Program Hydrogeologist	URS
12. Nick Reylek	Resident Inspector	URS
13. Adam Harvey	Project Engineer	URS

(List additional personnel on reverse side.)

This is to certify that the above referenced Definable Feature of Work has been completed and inspected in accordance with the final design, and is accepted by the personnel listed below with the exceptions listed on Attachment A. Note that this form is for acceptance of the Muscoy Extraction Wells only. The undercrossing, pipelines, and 19th Street Treatment Plant were accepted previously on separate acceptance forms. The Encanto Park Booster Pump Station and Muscoy monitoring wells will be accepted on separate forms.

Attachment A is the List of Exceptions. This list is acceptable to signers as of this date. These items will be inspected and accepted at a future time.

Stacey Aldstadt 10-12-05
City of San Bernardino Municipal Water Dept.

W. William Bryden 10-12-05
City of San Bernardino Municipal Water Dept.

U.S. EPA

Robert L Kemmerle
E2

URS Resident Inspector

URS Construction Manager

URS Site Manager

URS Engineer

Attachment A
Extraction Wells

Exceptions noted during the Final Inspection performed on October 11, 2005.

1. Lexan windows on façade houses warped, and several are missing crossbars.
2. EW-109C access restricted by electrical box.
3. EW-111 pipe support requires adjustment (loose), rust on pipe adjacent to pipe support.
4. Cement pier chipped on pipe support at EW-112.

URS

MUSCOY OU RA / 19TH STREET TREATMENT PLANT

FINAL INSPECTION FORM

Contract No.: EPA Contract No. 68-W-98-225; WA No. 069-RARA-09J5 Date: 7/28/05
URS Project No.: 18600069
Project Title: Muscoy Operable Unit (OU) Remedial Action (RA)
Definable Feature of Work: 19th Street Treatment Plant Construction

A. Personnel Present

Name	Position	Organization
1. Stacey Aldstadt	General Manager	SBMWD
2. Bill Bryden	Director, Water Utility	SBMWD
3. Mike Garland	Water Department Operations	SBMWD
4. Terry Tonn	Water Utility Construction PM	SBMWD
5. Dave Solomona	SCADA/Instrumentation Engineer	SBMWD
6. Lana Kennerly	Project Coordinator	SBMWD
7. Mark Eisen	SBMWD Consultant	Secor
8. Bob Kemmerle	Quality Assurance Officer	E2
9. Kim Hoang	Work Assignment Manager	EPA
10. Dwayne Deutscher	Site Manager	URS
11. Dennis Bane	Program Hydrogeologist	URS
12. Nick Reylek	Resident Inspector	URS
13. Adam Harvey	Project Engineer	URS

(List additional personnel on reverse side.)

This is to certify that the above referenced Definable Feature of Work has been completed and inspected in accordance with the final design, and is accepted by the personnel listed below with the exceptions listed on Attachment A. Note that this form is for acceptance of the 19th Street Treatment Plant only. The undercrossing and pipelines were accepted previously on separate acceptance forms. The Encanto Park Booster Pump Station, Muscoy extraction wells , and Muscoy monitoring wells will be accepted on separate forms.

Attachment A is the List of Exceptions. This list is acceptable to signers as of this date. These items will be inspected and accepted at a future time.

Stacey Aldstadt 8-5-2005
City of San Bernardino Municipal Water Dept.

W. William Bryden 8-5-05
City of San Bernardino Municipal Water Dept.

8-9-05
U.S. EPA

Robert L Kemmerle 9-14-05
E2

Nick Reylek 8-22-05
URS Resident Inspector

8/19/05
URS Construction Manager

8/10/05
URS Site Manager

8/15/05
URS Engineer

Attachment A

Exceptions for Final Inspection and Acceptance for the 19th Street Treatment Plant dated 28 July 2005.

1. Recalibration, reinstallation, and testing of the differential pressure transducers.
2. ACV-3 leaks by
3. Pressure gauges on GAC vessels to be oil-filled
4. Touch up paint on the north and south gates/fence
5. Backwash supply header flow (FIT-07) is not displayed on SCADA
6. West influent pressure transducer is reading about 10 psi high
7. Instrumentation signal cable shields need to be grounded
8. Several GAC vessel camlock covers and gaskets missing
9. GAC vessel carbon fill/drain valves require bolts
10. GAC vessels need steel cables to camlock covers
11. GAC vessel carbon sample ports need covers
12. Grout around base of light standards
13. Standing water in slide gate valve vault
14. Taps for differential pressure and pressure transducers on the influent and effluent pipelines south of the GAC vessels require bleed valves.
15. BP-5 control panel requires lockable hand-off-auto switch, emergency stop button, and timeout indicator light
16. Conduit penetrations into chlorine room ceiling have gaps
17. Air release valves on the top of the GAC vessels appear to clog easily and will be monitored by SBMWD for further action if warranted
18. Air may be accumulating in various locations in the system and will be monitored by SBMWD for further action if warranted

URS

MUSCOY OU RA / MONITORING WELLS

FINAL INSPECTION FORM

Contract No.: EPA Contract No. 68-W-98-225; WA No. 069-RARA-09J5 Date: 10/11/05
URS Project No.: 18600069
Project Title: Muscoy Operable Unit (OU) Remedial Action (RA)
Definable Feature of Work: Muscoy Monitoring Wells

A. Personnel Present

Name	Position	Organization
1. Stacey Aldstadt (NOT PRESENT DURING INSPECTION)	General Manager	SBMWD
2. Bill Bryden	Director, Water Utility	SBMWD
3. Mike Lowe	Water Department Operations	SBMWD
3. Mike Garland	Water Department Operations	SBMWD
4. Terry Tonn	Water Utility Construction PM	SBMWD
5. Dave Solomona	SCADA/Instrumentation Engineer	SBMWD
6. Lana Kennerly	Project Coordinator	SBMWD
7. Mark Eisen	SBMWD Consultant	Secor
8. Bob Kemmerle	Quality Assurance Officer	E2
9. Kim Hoang	Work Assignment Manager	EPA
10. Dwayne Deutscher	Site Manager	URS
11. Dennis Bane	Program Hydrogeologist	URS
12. Nick Reylek	Resident Inspector	URS
13. Adam Harvey	Project Engineer	URS

(List additional personnel on reverse side.)

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Attachment A is the List of Exceptions. This list is acceptable to signers as of this date. These items will be inspected and accepted at a future time.

Stacey Aldstadt 10-12-05
City of San Bernardino Municipal Water Dept.

W. William Bryden 10.12.05
City of San Bernardino Municipal Water Dept.

U.S. EPA

Robert L Kemmerle
E2

URS Resident Inspector

URS Construction Manager

URS Site Manager

URS Engineer

Attachment A
Monitoring Wells

Exceptions noted during the Final Inspection performed on October 11, 2005.

1. The wiring in the RTU panels is not labeled.