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NASJRB WILLOW GROVE
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TECHNICAL MEMORANDUM ABOVEGROUND STORAGE TANK INSPECTION BUILDING
181, 183, AND 184 NAS WILLOW GROVE PA
08/12/2013
RESOLUTION CONSULTANTS



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Technical Memorandum
Aboveground Storage Tank Inspection – Building 181, 183, and 184
NAS JRB Willow Grove, PA
August 12, 2013

In accordance with Resolution Consultants' (Resolution) Plan of Action/Cost Estimate (POA/CE) for Contract Task Order (CTO) WE28 MOD01, this technical memorandum has been prepared to document the observations made on May 15, 2013 of aboveground storage tanks (ASTs) located at Buildings 181, 184, and 183 at the Naval Air Station Joint Reserve Base (NAS JRB) Willow Grove, Pennsylvania. Based on the April 2007 Community Environmental Response Facilitation Act (CERFA) report prepared for NAS JRB Willow Grove, Building 181/184 (Hangar Area) was identified as a Category 3 (potential release) Site due to three diesel ASTs with no secondary containment that failed tightness tests in 1995.

On May 15, 2013, Resolution inspector, Ms. Lindsay Jones, performed an inspection at Buildings 181 and 184. Based on Resolution's observations, no diesel ASTs were observed at Buildings 181 and 184. Two ASTs (181GLY01 and 181181KAC01), which formerly contained propylene glycol and potassium acetate, respectively, were observed approximately 100 feet southwest of Building 184. The tanks, which were located in secondary containment, were labeled as being closed-in-place and had no visible evidence of leaks. Three diesel ASTs were observed at Building 183 [(one along the southern exterior (183DIE03) and two along the northern exterior (183DIE01 and 183DIE02)]. The AST observed along the southern exterior of Building 183 was located in secondary containment, labeled as being closed-in-place, and had no visible evidence of leaks.

After further review, it was determined that the CERFA report was in error. The three diesel ASTs that failed tightness testing in 1995 were actually located on the north side of Building 183 (Tanks 049, 052, and 053). At that time, there were six diesel tanks located on the north side of Bldg 183 (Tanks 048 through 053). According to the storage tank survey, test, and inspection report prepared by HRP Associates for NAS JRB Willow Grove in 1996, the ASTs located along the northern exterior side of Building 183 did not have secondary containment and no evidence of secondary containment was observed during Resolution inspection. However, it appears that the diesel tanks present during the 1995 HRP testing program are no longer present, and the tanks were replaced by tanks 183DIE01 and 183DIE02, which are

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labeled as being closed-in-place and had no visible evidence of leaks. In addition, no evidence of staining or distressed vegetation was observed on the ground surface beneath the ASTs. Based on this information, no further investigation is warranted for Building 181,184, or 183 and it is appropriate to re-categorize the AST to Category 1 (no known release). Photographs documenting Resolution's observations are included as Attachment 1 and a figure of the historical and current ASTs at Building 183 is included as Attachment 2.



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Attachment 1

RESOLUTION CONSULTANTS	PHOTOGRAPHIC LOG
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Client Name: Naval Facilities Engineering Command	Site Location: NAS JRB WILLOW GROVE, PA	Project No.: 60276503
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Photo No. 1	Date: 5/15/13
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Direction Photo Taken:

North-northwest

Description:

View of the closed in-place propylene glycol AST (181GLY01) located observed approximately 100 feet southwest of Building 184.



Photo No. 2	Date: 5/15/13
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Direction Photo Taken:

South-southeast

Description:

View of the closed in-place potassium acetate AST (181KAC01) located observed approximately 100 feet southwest of Building 184.



RESOLUTION CONSULTANTS	PHOTOGRAPHIC LOG
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Client Name: Naval Facilities Engineering Command	Site Location: NAS JRB WILLOW GROVE, PA	Project No.: 60276503
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Photo No.: 3	Date: 5/15/13
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Direction Photo Taken:

North-northwest

Description:

Front view of a diesel AST (183DIE03) observed on the southern side of Building 183.



Photo No.: 4	Date: 5/15/13
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Direction Photo Taken:

West

Description:

Side view of a diesel AST (183DIE03) observed on the southern side of Building 183.



RESOLUTION CONSULTANTS	PHOTOGRAPHIC LOG
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Client Name: Naval Facilities Engineering Command	Site Location: NAS JRB WILLOW GROVE, PA	Project No.: 60276503
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Photo No.: 5	Date: 5/15/13
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Direction Photo Taken:

Southwest

Description:

View of diesel ASTs (183 DIE01 and 183 DIE02) observed on the northern side of Building 183.



Photo No.: 6	Date: 5/15/13
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Direction Photo Taken:

East-southeast

Description:

Alternative view of diesel ASTs (183 DIE01 and 183 DIE02) observed on the northern side of Building 183.





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Attachment 2

File: W:\Govt\Projects\Navy CLEAN AECOM-EnSafe JV\WillowGrove\CAD\BUILDING_183.dwg Layout: FIGURE 1 User: sanchez01 Plotted: Aug 12, 2013 - 11:04am Xref's:

BUILDING 175
SOUTH END

A/G DIESEL TANK 183DIE02
(CLOSED-IN-PLACE)

A/G DIESEL TANK 183DIE01
(CLOSED-IN-PLACE)



IMPRESSED
CURRENT
SYSTEM

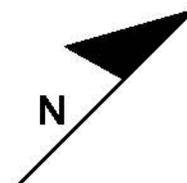
GENERATOR ROOM

BUILDING 183

15 GAL. DAY TANK

A/G DIESEL TANK
183DIE03
(CLOSED-IN-PLACE)

PAVED AREA



BUILDING 183
CURRENT ABOVE GROUND
STORAGE TANKS

NAVAL AIR STATION
JOINT RESERVE BASE
WILLOW GROVE, PA

DATE: 08/12/2013 DRWN: AES

NOT TO SCALE

FIGURE 1