

Permittee: L1611 Holdings, LLC
Project Name: Woodbury
Project City: Fayetteville

NPDES PERMIT FILE
NPDES # ARR15256
AFIN # 72-01803
Permit PN

Part II.A.4.a.i. _____
Part II.A.4.a.ii _____
Part II.A.4.a.iii _____
Part II.A.4.a.iii _____
Part II.A.4.a.iv 2-7-7 _____
Part II.A.4.a.iv _____
Part II.A.4.a.vii, Must provide details of where the
information was obtained.

[illegible]

Part II.A.4.b.i.A
Part II.A.4.b.i.B
Part II.A.4.b.i.B(1) & (2)
Part II.A.4.b.i.B(1) & (2)
Part II.A.4.b.i.B(1) & (2)
Part II.A.4.b.i.B(1) & (2)

Part II.A.4.b.ii

Part II.A.4.b.ii.B

Part II.A.4.b.iii.A

Part II.A.4.b.iii.B

Part II.A.4.b.iii.C

Part II.A.4.b

Storm Water Pollution Prevention Plan (SWPPP) Completeness Checklist

Permittee: L1611 Holdings, LLC
 Project Name: Woodbury
 Project City: Fayetteville

Tracking Number: ARR15 2156

☒ ☐ ☐ D. Are State or local requirements incorporated into the plans?

Part II.A.4.c

☒ ☐ ☐ E. Are maintenance procedures for control measures identified in the plan?

Part II.A.4.d

☒ ☐ ☐ F. Are inspection procedures identified in the plan?

Part II.A.4.e

☒ ☒ ☐ a) Name of qualified inspector identified?

Part II.A.4.e, Must include the name of the qualified inspector, if not chosen must include a statement with the inspector certification that it will be signed prior to construction activity.

☒ ☒ ☐ b) Signed Inspector qualification certification included?

Part II.A.4.e, Must include the inspector certification either signed or with statement.

☒ ☒ ☐ c) Inspection form included w/ certification?

Part II.A.4.e, Each inspection form must include the plan certification.

☒ ☐ ☐ G. Documentation of permit eligibility related to Total Maximum Daily Loads (TMDL).

Part II.A.4.f

☒ ☐ ☐ H. Documentation of attainment of Water Quality Standards after authorization.

Part II.A.4.g

☒ ☐ ☐ I. Identification of allowable non-storm water discharges identified in the plan?

Part II.A.5

☒ ☒ ☐ J. Signed Contractor certification.

Part II.A.6, Must either be signed or include a statement that it will be signed prior to commencement of construction.

☒ ☐ ☐ K. Signed Plan certification.

Part II.A.2 & Part II.B.10

WOODBURY STORMWATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION			
Project Name and Location: (Latitude, Longitude, or Address)	Woodbury E. Zion Rd. & Randal Pl. Fayetteville, AR	Owner Name and Address:	L1611 Holdings, LLC 2458 E. Joyce Blvd. Suite 8 Fayetteville, AR 72703
Description:	Woodbury is a proposed 11.66 acre Residential Planned Zoning District consisting of approximately 100 residential homes both attached and detached. It is located on the southwest corner of the intersection of Zion Road and Randal Place in northeast Fayetteville, Arkansas. Soil disturbing activities will include: clearing and grubbing; installing a stabilized construction entrance, perimeter and other erosion and sediment controls; grading; excavation for the storm sewer, utilities, construction of curb and gutter, street construction and preparation for final planting and seeding. The majority of the property generally consists of the following: 0 – 5" of Fine Sandy Loam; 5" - 22" Loam; 22"-70" Loam (fragipan).		
Runoff Coefficient:	The final coefficient of runoff for the site will be $C = 0.85$		
Site Area:	The site is approximately 11.66 acres of which 5.5 acres will be disturbed by initial construction activities.		
Sequence of Major Activities			
The order of activities will be as follows:			
1. Install Construction Entrances 2. Install Silt Fence 3. Perform clearing and grubbing 4. Perform initial (rough grading) earthwork operations 5. Install utilities and storm sewer. 6. Fine grade streets and place initial base course.	7. Place Concrete Curb and Gutter. 8. Complete Class 7 base course. 9. Lay asphalt surface course. 10. Backfill behind curb, topsoil disturbed areas. 11. Seed and mulch disturbed areas. 12. Remove temporary erosion control.		
Name of Receiving Waters:	The entire site will drain into Lake Fayetteville and then to Clear Creek and then to Mud Creek.		
Controls			
Erosion and Sediment Controls			
Stabilization Practices			
Temporary Stabilization – Approximately 1,900 lf. of silt fence will be placed on the project. Baled straw barriers will be placed at the intake and discharge points at all pipe flared end section locations. Baled straw barriers and check dams will also be placed around all new inlet locations. One temporary stabilized construction entrance will be placed at the northern side of the project to accommodate construction traffic. Topsoil stock piles and disturbed portions of the site where construction activity temporarily ceases for at least 21 days will be stabilized with temporary seed and mulch no later than 14 days from the last construction activity in that area. Permanent Stabilization – Disturbed portions of the site where construction activities permanently cease shall be stabilized with permanent seed no later than 14 days after the last construction activity. Seed types and rates shall be as per project specifications.			

CONTROLS (Continued)	
Structural Practices	
Storm Water Management	
This project will be built as per the plans and specifications of the city of Fayetteville. Storm water will generally be carried by the curb and gutter and storm sewer to one existing pond. Attainment of Water Quality Standards after authorization - BMPs including silt fences and other erosion control measures are developed in this plan and implemented on the site to minimize pollutants and meet applicable water quality standards. At any time after authorization, it may be determined that the measures in place do not necessarily meet these standards. If additional BMPs and measures are needed, a supplemental BMP action plan describing the SWPPP modification will be put in place.	
OTHER CONTROLS	
Waste Disposal	Waste Materials All waste materials other than spoils from earthwork operations will be collected and disposed of as per local and state regulations. No construction waste materials will be buried onsite. All personnel will be instructed regarding the correct procedure for waste disposal. Notices stating these practices will be posted in the office trailer. The earthwork superintendent, the individual who manages the day-to-day site operations, will be responsible for seeing that these procedures are followed. Hazardous Waste All hazardous waste materials will be disposed of in the manner specified by local or State regulation or by the manufacturer. Sanitary Waste All sanitary waste will be collected from the portable units a minimum of one time per week by the licensed sanitary waste management contractor, as required by local regulation.
Offsite Vehicle Tracking	One stabilized construction entrance has been provided to help reduce vehicle tracking of sediments. The paved streets adjacent to this entrance will be swept when required to remove any excess mud, dirt or rock tracked from the site.

TIMING OF CONTROLS/MEASURES

As indicated in the Sequence of Major Activities, the stabilized construction entrance and erosion control measures will be constructed prior to the major earthwork portion of the job. Areas where construction activity temporarily ceases for more than 21 days will be stabilized with a temporary seed and mulch within 14 days of the last disturbance. Once construction activity ceases permanently in an area, that area will be stabilized with permanent seed and mulch or sod. The following is the major phases of the SWPPP:

Construction Period: February 07 to January 08

- a. Install Construction Entrance
- b. Install silt fence along indicated areas.
- c. Grading Activities
- d. Temporary Seeding as Required
- e. Install storm drain
- f. Utility and Street Construction Activities
- g. Permanent Seeding

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

The erosion control plan included in the project drawings reflects comments from the City of Fayetteville Engineering Division. There are no other applicable State or Federal requirements for sediment and erosion site plans (or permits), or storm water management site plans (or permits).

Documentation of permit eligibility related to Total Max. Daily Loads (TMDL) – According to the 303D list, no sensitive waters of the state that contain TMDLs are directly affected by this site.

Documentation of permit eligibility related to Endangered Species List of Arkansas – This project has been submitted to the Arkansas Natural Heritage Commission for review. We will abide by any final recommendations they make concerning endangered species.

MAINTENANCE/INSPECTION PROCEDURES

Erosion and Sediment Control Inspection and Maintenance Practices

These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls.

- All control measures will be inspected at least once each week and within 24 hours following any storm event of 0.5 inches or greater.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report.
- Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
- Silt fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.
- Temporary, permanent seeding and planting will be inspected for bare spots, washouts and healthy growth.
- A maintenance inspection report will be made after each inspection. A copy of the report form to be completed by the inspector is attached.
- The earthwork superintendent will select one individual who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.
- Personnel selected for inspection and maintenance responsibilities will receive training from the earthwork superintendent. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

Non-Stormwater Discharges

It is expected that the following non-storm water discharges will occur from the site during the construction period:

- Water from water line flushings.
- Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred).
- Uncontaminated groundwater (from dewatering excavation).

INVENTORY FOR POLLUTION PREVENTION PLAN

The materials or substances listed below are expected to be present onsite during construction:

- Concrete
- Fertilizers
- Petroleum Based Products
- Wood
- Crushed Limestone Base Rock
- Asphalt Hot Mix

SPILL PREVENTION

Material Management Practices

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff.

Good Housekeeping

The following good housekeeping practices will be followed onsite during the construction project.

- An effort will be made to store only enough product required to do the job.
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
- Products will be kept in their original containers with the original manufacturer's label.
- Substances will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible, all of a product will be used up before disposing of the container.
- Manufacturers' recommendations for proper use and disposal will be followed.
- The site superintendent will inspect daily to ensure proper use and disposal of materials onsite.

Hazardous Products

These practices are used to reduce the risks associated with hazardous materials.

- Products will be kept in original containers unless they are not resealable.
- Original labels and material safety data will be retained; they contain important product information.
- If surplus product must be disposed of, manufacturers' or local and State recommended methods for proper disposal will be followed.

SPILL PREVENTION (Continued)

Product Specific Practices

The following product specific practices will be followed onsite:

Petroleum Products

All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers, which are clearly labeled. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations.

Fertilizers

Fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

Concrete Trucks

If concrete trucks are allowed to wash out or discharge surplus concrete on site, a specific area will be designated and appropriate measures will be emplaced to capture and not allow the wash out water to leave the site.

Spill Control Practices

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

- Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to brooms, dustpans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size.
- The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.
- The earthwork superintendent responsible for the day-to-day site operations will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be posted in the material storage area and in the office trailer onsite.

SITE INSPECTOR CERTIFICATION

I certify under penalty of law that I am knowledgeable in the principals of erosion and sediment control, who possesses the skills to evaluate conditions at the above construction site that could impact stormwater quality, and knowledgeable in the correct installation of erosion and sediment controls. I am able to assess the effectiveness of any sediment and erosion control measures selected in the SWPPP to control the quality of stormwater discharges from the above construction site. Additionally, I certify that I have reviewed the Arkansas Stormwater Construction General Permit ARR150000 and SWPPP which was prepared by the owner of this site.

Printed Name of Title of Person Construction Activities

Signature and Date

(No Contractor has been chosen at this time. Upon selection of a contractor, a qualified inspector will be provided by the contractor and will sign the "Site Inspector Certification" Form. This signed form will be forwarded to ADEQ at that time. The "Site Inspector Certification" statement will also be signed by the inspector on each inspection form completed for the site.)

Storm Water Pollution Prevention Plan Inspection and Maintenance Report

To be Completed every 7 days ^{and} or within 24 hours of a rainfall event of .5 inches or more

Inspectors Name:			Date:	
Project Name/number:			Number of days since last rainfall:	
Project Location			Amount of last Rainfall (inches):	

Notes:							
Area:	BMP/Control	Condition	Date of Last Disturbance	Date of Next Disturbance	Stabilized (yes/No)	Stabilized (with)	Date Stabilized

Maintenance Required: _____

To be Performed By: _____ **On or Before:** _____

I certify under penalty of law that this document was prepared under my direction or supervision. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Inspector: _____



January 26, 2007

Ms. Cindy Osborne
Data Manager
Arkansas Natural Heritage Commission
1500 Tower Building
323 Center Street
Little Rock, AR 72201

RE: WOODBURY – OPPORTUNITY FOR REVIEW

Ms. Osborne:

Please accept this submittal for an "Opportunity for Review" of Woodbury, a residential development in Fayetteville, AR. Included in this package, you will find the location of the project shown on a quad map as well as a legal description of the property boundary.

Please review this plan at your earliest convenience. If you have any questions, please give me a call at 479-582-4234.

Respectfully,

A handwritten signature in black ink, appearing to read 'J. Thompson', with a long horizontal flourish extending to the right.

Jeremy Thompson, P.E.
Project Engineer
H2 Engineering, Inc.

topozone

VIEW MAPS GET DATA My TopoZone WEB SERVICES ABOUT US HELP

New Product
**Download every
Topo and Aerial at
this location \$9.95**
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USGS Topo Maps

1:24K/25K Topo Maps
1:100K Topo Maps
1:250K Topo Maps
Automatic selection

Map Size

Small
Medium
Large

View Scale

1 : 50,000

Coordinate Format

UTM

Map Datum

NAD27

☒ Show target

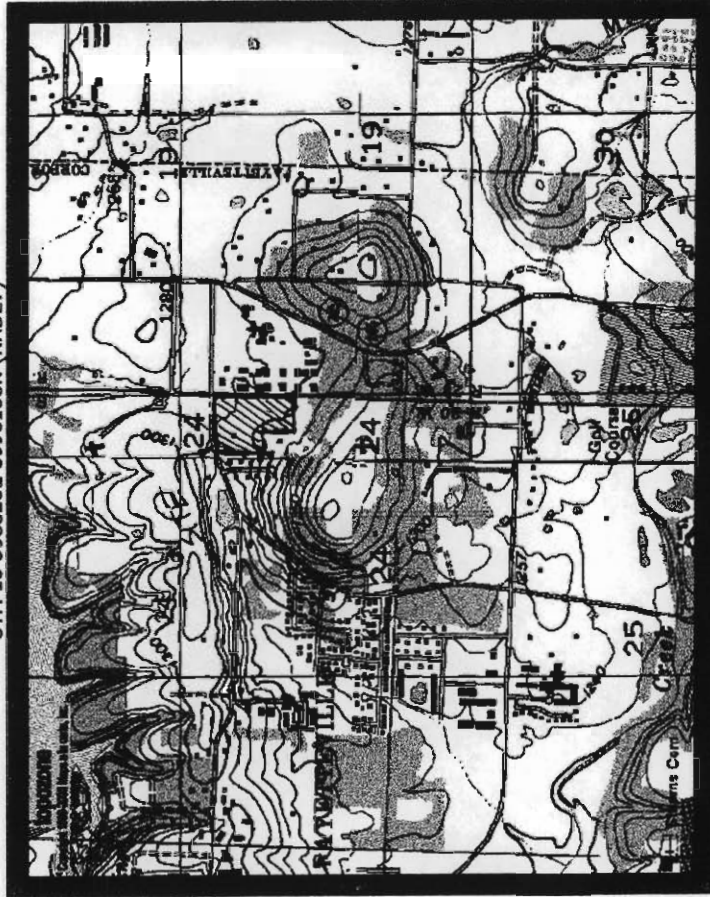
Email this topo map

Bookmark this topo map

Print this topo map

View *TopoZone Pro* topographic maps, aerial photos, street maps, coordinate and elevation display

UTM 15 398828E 3998158N (NAD27)



0 0.5 1 1.5 2 2.5 km

<http://www.topozone.com/map.asp?lat=36.12465&lon=-94.12426&datum=nad27&u=4&layer=DRG&size=m&s=50>

Ads by Google

Live Aerial Map

Satellite

See live aerial map
satellite, 100% free
download. Get it
now.
satellite.map.googlepage:

Earth Satellite

Photos

View Any Place on
Earth Your House,
The White House,
more!
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Vermont

Topographic Map

900+ Team &
Individual Sports
Gear Vermont
Topographic Map
on Sale!
www.NextTag.com/Sports
Products

Aerial Photo Map

The biggest source
of free information
on Aerial Photo
Map
Aerial-
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Blew, Bates & Associates, Inc.

Engineering & Surveying

3561 No. College / Fayetteville, AR 72703
PH: 479-443-4506 * FAX: 479-582-1883

PER H2 ENGINEERING

SURVEY DESCRIPTION:

A PART OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 24, IN TOWNSHIP 17 NORTH AND RANGE 30 WEST, AND PART OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 19 IN TOWNSHIP 17 NORTH AND RANGE 29 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN WASHINGTON COUNTY, ARKANSAS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS TO-WIT: COMMENCING AT A FOUND STONE AT THE SOUTHWEST CORNER OF SAID NORTHEAST QUARTER OF THE SOUTHEAST QUARTER AND RUNNING THENCE S86°47'19"E 653.49 FEET, THENCE N00°31'16"W 227.04 FEET TO THE POINT OF BEGINNING, AND RUNNING THENCE N00°31'16"W 566.75 FEET TO THE SOUTH RIGHT OF WAY OF ZION ROAD, THENCE ALONG SAID RIGHT OF WAY ALONG A NON-TANGENTIAL CURVE, SAID CURVE TURNING TO THE RIGHT THROUGH AN ANGLE OF 17°34'51.6", HAVING A RADIUS OF 724.78 FEET, AND WHOSE LONG CHORD BEARS N81°08'54"E A DISTANCE OF 221.52 FEET TO A POINT OF INTERSECTION WITH A NON-TANGENTIAL LINE, THENCE CONTINUING ALONG SAID RIGHT OF WAY N89°52'32"E 477.01 FEET, THENCE LEAVING SAID RIGHT OF WAY S01°14'05"W 866.33 FEET TO A FOUND 5/8-INCH REBAR, THENCE N88°13'23"W 13.72 FEET TO A FOUND CONCRETE MONUMENT MARKING THE SOUTHEAST CORNER OF SAID NORTHEAST QUARTER, SOUTHEAST QUARTER, THENCE ALONG THE FORTY LINE N86°47'19"W 356.55 FEET, THENCE LEAVING SAID FORTY LINE N01°14'11"W 226.76, THENCE N86°41'48"W 297.96 FEET TO THE POINT OF BEGINNING CONTAINING 11.67 ACRES MORE OR LESS. SUBJECT TO RIGHT OF WAY ALONG ZION ROAD AND ANY OTHER RIGHT OR EASEMENTS OF RECORD.

Fuller, Kim

From: Jeremy Thompson [jthompson@h2ei.net]
Sent: Wednesday, February 07, 2007 3:38 PM
To: Fuller, Kim
Subject: RE: SWPPP - Woodbury Revisions

Let's try this one. Thanks for your patience.

Jeremy Thompson, P.E.
Project Engineer
H2 Engineering, Inc.
(479) 582-4234

From: Fuller, Kim [mailto:FULLER@adeq.state.ar.us]
Sent: Wednesday, February 07, 2007 11:30 AM
To: Jeremy Thompson
Subject: RE: SWPPP - Woodbury Revisions

Jeremy,

There is only one more thing that is needed. Please put the following certification at the bottom of the inspection form before the inspectors signature. Thanks!

"I certify under penalty of law that this document was prepared under my direction or supervision. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Kimberly A. Fuller, E.I.
NPDES Storm Water Engineer II
ADEQ, Water Division
Phone: (501) 682-0621
Fax: (501) 682-0910

-----Original Message-----

From: Jeremy Thompson [mailto:jthompson@h2ei.net]
Sent: Wednesday, February 07, 2007 11:01 AM
To: Fuller, Kim
Subject: RE: SWPPP - Woodbury Revisions

Kim,

Sorry about the delay, I had the documents prepared but just forgot to e-mail them to you. Thanks for the call and the reminder! Please let me know if we need any additional information.

Thanks.

Jeremy Thompson, P.E.
Project Engineer
H2 Engineering, Inc.
(479) 582-4234

From: Fuller, Kim [mailto:FULLER@adeq.state.ar.us]
Sent: Friday, January 26, 2007 10:16 AM
To: Jeremy Thompson

Subject: RE: SWPPP - Woodbury Revisions

Kipp,

I still need the Site Inspector Certification either signed or with a statement that it will be signed prior to commencement of construction. In addition, I need a copy of a detailed inspection form with the plan certification on the bottom of the form that will be used on site. Once I have these, than I can start the permit issuance process. Thanks!

Kimberly A. Fuller, E.I.
NPDES Storm Water Engineer II
ADEQ, Water Division
Phone: (501) 682-0621
Fax: (501) 682-0910

-----Original Message-----

From: Jeremy Thompson [mailto:jthompson@h2ei.net]
Sent: Friday, January 26, 2007 8:44 AM
To: Fuller, Kim
Subject: FW: SWPPP - Woodbury Revisions

Kim,

Please find attached two revised pages of the previously submitted SWPPP application. One revision is in regard to the threatened and endangered species and the other is simply a signature from the developer. We will send you a signature page for the contractor once the bid process is complete.

Thanks for your assistance.

Kipp Hearne, P.E.
Vice-President
H2 Engineering, Inc.
479-582-H2EI

2/7/2007

Fuller, Kim

From: Fuller, Kim
Sent: Thursday, January 25, 2007 10:28 AM
To: 'jthompson@h2ei.net'
Subject: FW: Woodbury SWPPP Review

Jeremy,

I need a status on the updates to this SWPPP. If I do not receive the updates by Friday (2/2), I will have to send the entire package back to L1611 Holdings, LLC. The processing of the NOI can not begin until a complete SWPPP is submitted. Thanks!

Kimberly A. Fuller, E.I.
NPDES Storm Water Engineer II
ADEQ, Water Division
Phone: (501) 682-0621
Fax: (501) 682-0910

-----Original Message-----

From: Fuller, Kim
Sent: Tuesday, January 16, 2007 4:08 PM
To: 'jthompson@h2ei.net'
Subject: Woodbury SWPPP Review

Jeremy,

The Department is in receipt of a Notice of Intent (NOI), permit fee, and Stormwater Pollution Prevention Plan (SWPPP) for the referenced project. The SWPPP has been reviewed and determined to be deficient. The checklist identifying the deficiencies is attached for your review. A complete SWPPP must be submitted before processing of the NOI can begin. Once the SWPPP has been deemed complete, it will take a maximum of 2 weeks to issue the construction permit. Construction on the project can not commence before the permit is issued.

The attached inspector certification must be included in the SWPPP. In addition, a detailed inspection form containing the plan certification must be included in the SWPPP. Please submit the updated SWPPP on or before January 23, 2007. Thanks!

Kimberly A. Fuller, E.I.
NPDES Storm Water Engineer II
ADEQ, Water Division
Phone: (501) 682-0621
Fax: (501) 682-0910



JAN 16 2007
January 12, 2007 *JS*

Mrs. Kimberly Fuller
NPDES Storm Water Engineer
ADEQ
8001 National Drive
Little Rock, AR 72219

RE: WOODBURY – SWPPP SUBMITTAL

Mrs. Fuller:

Please accept this submittal of the SWPPP for Woodbury in Fayetteville, AR. Included in this package, you will find the completed NOI, a \$200 application fee, a Storm Water Pollution Prevention Plan sheet showing the subdivision layout and critical erosion control features, and the SWPPP document. Please review this plan at your earliest convenience.

If you have any questions, please give me a call at 479-582-4234.

Respectfully,

A handwritten signature in black ink, appearing to read 'Jeremy Thompson', with a long horizontal flourish extending to the right.

Jeremy Thompson, P.E.
Project Engineer
H2 Engineering, Inc.

2 Large maps not scanned. Permit Number 152156.