

Appendix 1: Licensed Groundwater Abstractions within 3km of AWE (A)

- Mrs J Rayner is licensed to abstract $1,659 \text{ m}^3\text{yr}^{-1}$ from the Bagshot Beds for agricultural purposes at Pamber Heath, 800m south east of the proposed location.
- W Owen is licensed to abstract $1,659 \text{ m}^3\text{yr}^{-1}$ from River Gravels for agricultural purposes at Fronds Farm, Aldermaston, 2km north of the proposed location.
- The Old Mill Hotel is licensed to abstract $909 \text{ m}^3\text{yr}^{-1}$ from the Chalk 2km north of the proposed location.
- The Environment Agency is licensed to abstract $55,000 \text{ m}^3\text{d}^{-1}$ from the Chalk for flow augmentation 900m south east of the proposed location.
- Blue Circle plc are licensed to abstract $22,457 \text{ m}^3\text{yr}^{-1}$ from the chalk for university spray irrigation 500m north of the proposed location.
- Padworth Trout Farm Ltd is licensed to abstract $935,859 \text{ m}^3\text{yr}^{-1}$ from the River Gravel for fish farming 1.75km north east of the proposed location.

Appendix 2: Unlicensed groundwater abstractions within 3km of AWE (A).

- Groundwater is abstracted from the River Gravels at Padworth Mill, 2.5km north east of the proposed location for domestic use.
- Groundwater is abstracted from the River Gravels 2km north of the proposed location at Aldermaston Bridge for domestic use.
- Groundwater is abstracted from the River Gravels 2km north of the proposed location at Aldermaston Bridge for domestic use (at the same point as above).
- Groundwater is abstracted from the River Gravels on Mill Lane, Padworth, 2.5km north east of the proposed location for domestic use.
- Three groundwater abstractions are located within Baughurst, approximately 3km south west of the proposed location.
- Two groundwater abstractions are located within Silchester, approximately 3km south east of the proposed location.

Appendix 3: General Quality Assessment of watercourses

Watercourse	Stretch	GQA Classification		
		1998-2000	1999-2001	2000-2002
River Enborne	West Woodhay - Bishops Green STW	A	B	B
River Enborne	Bishops Green STW - Baughurst Bk.	A	B	B
River Enborne	Baughurst Brook - Kennet	A	A	B
Fishermans Brook	Source - Padworth Stream	C	C	C
Padworth Stream	Old Warren - Kennet	B	B	B
Silchester Brook	Tadley - Silchester STW	B	B	B
Silchester Brook	Silchester STW - Foundry Brook	B	C	B

Appendix 4: Surface Water Abstractions Within 3km of AWE (A).

- Wasing Farm are licensed to abstract $9,092 \text{ m}^3\text{yr}^{-1}$ from a lake and the River Enborne for agricultural spray irrigation, located 1.5 km west of the proposed location.
- $2.3 \text{ m}^3\text{yr}^{-1}$ is abstracted from unnamed inland water within Tadley, 2.2 km south of the proposed location for non-agricultural lake filling.
- Fosters Farm is licensed to abstract $22,730 \text{ m}^3\text{yr}^{-1}$ from unnamed inland water 1km north west of the proposed location for lake filling.
- Mill Lane, Padworth, is licensed to abstract $39,528,000 \text{ m}^3\text{yr}^{-1}$ from the River Kennet 2km north east of the proposed location for fish farming.
- $5,800 \text{ m}^3\text{yr}^{-1}$ is abstracted from unnamed inland water within Paices Wood, 600m west of the proposed location, for spray irrigation.

Appendix 5: Sites of Special Scientific Interest Within 3km of AWE (A).

- Brimpton Pit, located 3km west north west of the site, is a working gravel pit of very considerable importance to geologists because of evidence which it provides for environmental change during the Ice Age, the warm phase named the 'Brimpton Interstadial'. It is also a key site in elucidating the history of the development of the River Thames.
- Woolhampton Reed Bed, 3km north west of the site, consists of dense reed bed with smaller areas of tall fen vegetation and carr woodland, is notable for its nesting bird population and diverse insect population. The site supports a large colony of reed warblers and over 300 species of moth, many of which are rare or uncommon, and 160 species of flies.
- Aldermaston Gravel Pits, 3km north of the site, consists of mature flooded gravel workings surrounded by dense fringing vegetation, trees and scrub, affording a variety of habitats for breeding birds and a refuge for wildfowl. The surrounding marsh and scrub are important for numerous birds including 9 breeding species of warbler, water rails, kingfishers and an important breeding colony of nightingales.
- Decoy Pit, Pools and Woods, located adjacent to the east of the site, comprises a mosaic of habitats including woodland, heathland, grassland and small waterbodies. The special interest of the site is twofold, firstly it supports the greatest number of breeding dragonfly and damselfly species in Berkshire, and secondly it includes alder woodland types which are nationally uncommon and a declining habitat. 23 species of dragonfly and damselfly breed within the site, including three nationally scarce species. Other nationally uncommon species include the woodlark, the silver-studded blue butterfly and the Devon carpet moth
- Wasing Wood Ponds, 800m south west of the site, includes a group of ponds, wet ditches and marshy areas partly in Wasing Wood and partly on open ground formerly excavated for gravel. The site is especially important for dragonflies, some of the species being very uncommon.
- West's Meadow, Aldermaston, 300m south of the site, comprises two small fields of pasture bounded by hedgerows and a small stream. The meadows consist of neutral to acidic herb-rich grassland including both well-drained areas and wetter areas of base-poor marsh. The meadow contains over 80 species of grassland plant, which is a high figure for this type of rare and rapidly declining unimproved meadow.
- Ron Ward's Meadow and Tadley Pastures, 3.5km south of the site, comprises a main meadow of unimproved, herb-rich grassland, managed traditionally as a hay meadow. There are 28 species indicative of ancient grassland present, of which a number are uncommon, making it one of the finest surviving hay meadow / pasture complexes in Hampshire.
- Pamber Forest and Silchester Common, 2km south east of the site, consist of extensive ancient oakwood, two heathland commons and a series of unimproved wet meadows. This association of ancient woodland, heath and grassland supports a diverse range of plants and animals, including many nationally rare species and three species of bird

listed in Annex 1 of the EC Directive on Conservation of Wild Birds, the woodlark, nightjar and Dartford warbler.

- Ashfold Hill Woods and Meadow, located 3.5km southeast of the proposed location, comprises an extensive and varied complex of woodlands and agriculturally unimproved meadows. The site is remarkable in its habitat quality, diversity of communities and number of rare and threatened species, and is without comparison in central southern England. The meadow supports 31 species of butterfly and over 400 species of moth.

Appendix 6: Locations of Landfills Within 3km of the Proposed Location

- Budd's Plantation, 1.2km south east of the proposed location, accepted construction and demolition wastes and excavated natural materials.
- Paices Hill, 920m north west of the proposed location, contained controlled wastes, excavated natural materials, hardcore and rubble.
- Young's Development (3), 940m south east of the proposed location, accepted excavated natural materials and inert builders / demolition waste.
- Paices Hill, 800m north west of the proposed location, accepted excavated natural materials and inert builders / demolition waste.
- Young's Development (2), 1km west of the proposed location, contained construction and demolition wastes, excavated natural materials, soil and high-density/hard/bonded/cement asbestos.
- Silt Ponds, Paices Hill, 750m west of the proposed location, accepted Berkshire Type A non-decomposing waste and small volumes of hard asbestos.
- Court Farm, Aldermaston, 1.4km north east of the proposed location, accepted excavated natural materials, inert builders/demolition waste, paper/cardboard waste, plasterboard and wood.

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