Specification of Competency Standards
for the Arboriculture & Horticulture Industry
Unit of Competency

Functional Area - Planting, Caring and Management of Plants

Title	Prepare work plans for tree stump removal
Code	109090L4
Range	This unit of competency is applicable to managers or technical personnel who are engaged in tree stump removal in the arboriculture and horticulture industry. Practitioners should be capable of mastering the methods of tree stump removal and the job requirements of related operations. They should also be able to prepare the corresponding work plans for tree stump removal in accordance with the environmental constraints and the sizes of the tree stumps.
Level	4
Credit	4 （For Reference Only）
Competency	Performance Requirements 1. Possess knowledge related to preparing work plans for tree stump removal • Comprehend the working procedures, standards, relevant technical knowledge and requirements of relevant government guidelines for tree stump removal • Comprehend the various treatment and disposal methods for tree stump removal • Comprehend the requirements of the tree stump removal operations • Comprehend the basis structure of tree stumps, for example, a tree stump is composed of three parts: tree base, root collar and structural root • Comprehend the requirements and constraints of different environment on tree stump removal, such as nearby public facilities • Comprehend the personnel arrangement of tree stump removal operations, relevant qualification requirements, and allocation of tools and resources • Comprehend the relevant procedures for arranging temporary traffic measures and protection measures on the ground 2. Prepare work plans for tree stump removal • Conduct field surveys on the work sites to assess the tree stump structure and the surrounding environment, such as the topography, stability of slopes, nearby underground public facilities and infection conditions of tree stumps • Plan corresponding measures in response to the environmental constraints on the tree stump removal operations, such as notifying the relevant organisations of the public facilities being affected and arranging professionals to help detect underground public facilities • Plan suitable treatment methods for tree stump removal based on the infection conditions, sizes and locations of the stumps, such as hand or machine digging, using grinders to smooth the stumps and disinfection arrangements • Plan appropriate transportation arrangements and protection measures on the ground according to the working space, sizes of stumps and the nearby road conditions, such as arranging lifting routes, transport equipment, temporary traffic measures and fencing off work areas • Develop the working procedures, working guidelines and safety codes for tree stump removal • Develop the work schedules, work objectives and quality objectives of work processes for tree stump removal operations • Plan corresponding manpower and resource allocation with regard to the sizes of the tree stumps and the environmental constraints • Develop monitoring and assessment mechanisms for tree stump removal projects

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	3. Exhibit professionalism • Carefully consider the impact of various treatment methods on public safety before carrying out tree stump removal and control the spread of pests and diseases
Assessment Criteria	The integrated outcome requirements of this unit of competency are: • Able to prepare the corresponding tree stump removal work plans in accordance with the job requirements, sizes of tree stumps and environmental constraints; • Able to assess the environmental constraints on the tree stump removal operations and plan appropriate measures accordingly to ensure that the tree stump removal operations can be undertaken in a safe manner; and • Able to develop monitoring and assessment mechanisms for tree stump removal projects to ensure that the work progress and quality meet the specified requirements.
Remark	