

Geologist, GS-1350-12

REASON FOR THIS POSITION					POSITION DESCRIPTION COVER SHEET		
<input type="checkbox"/> 1. NEW	2. IDENTICAL ADDITION TO THE ESTABLISHED PD NUMBER	3. REPLACES PD NUMBER					
RECOMMENDED							
4. TITLE Geologist					5. PAY PLAN GS	6. SERIES 1350	7. GRADE 12
8. WORKING TITLE (Optional)					9. INCUMBENT (Optional)		
OFFICIAL							
10. TITLE Geologist							
11. PP GS	12. SERIES 1350	13. FUNC 51	14. GRADE 12	15. DATE MONTH DAY YEAR		16. I/A <input type="checkbox"/> Yes <input type="checkbox"/> No	
							17. CLASSIFIER Jane Medina
18. ORGANIZATIONAL STRUCTURE (Agency/Bureau)							
1st Natural Resources Conservation Service					5th		
2nd KS State Conservationists Off					6th		
3rd Engineering Staff					7th		
4th Salina 760 S Broadway					8th		
SUPERVISOR'S CERTIFICATION							
I certify that this is an accurate statement of the major duties and responsibilities of the position and its organizational relationship and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds and that false or misleading statements may constitute violations of such statute or their implementing regulations.							
19. SUPERVISOR'S SIGNATURE				20. DATE	22. SECOND LEVEL SUPERVISOR'S SIGNATURE		23. DATE
21. SUPERVISOR'S NAME AND TITLE				24. SECOND LEVEL SUPERVISOR'S NAME AND TITLE			
FACTOR EVALUATION SYSTEM							
FACTOR	25. FLD / BMK	26. POINTS	FACTOR	25. FLD / BMK	26. POINTS		
1. Knowledge Required			6. Personal Contacts				
2. Supervisory Controls			7. Purpose of Contacts				
3. Guidelines			8. Physical Demands				
4. Complexity			9. Work Environment				
5. Scope and Effect			27. TOTAL POINTS ▶			27. 0	
						28. GRADE ▶	
CLASSIFICATION CERTIFICATION							
I certify that this position has been classified as required by Title 5, US Code, in conformance with standards published by the OPM or, if no published standard applies directly, consistently with the most applicable published standards.							
29. SIGNATURE					30. DATE		
31. NAME AND TITLE Jane Medina, Human Resources Manager							
32. REMARKS This position is determined to be EXEMPT from the provisions of FLSA based on the PROFESSIONAL Exemption criteria. Evaluation statement on file.					33. OPM CERTIFICATION NUMBER		

MASTER RECORD/INDIVIDUAL POSITION DATA
THIS SIDE TO BE COMPLETED BY THE CLASSIFIER

A. KEY DATA					
1. FUNCTION (1) A/C/D/M/R	2. DEPT. CD./AGCY-BUR-CD. (4) AG 16	3. SON (4) 5275	4. MR. NO. (8)	5. GRADE (2) 12	6. IP NO. (8)

B. MASTER RECORD										
1. PAY PLAN (2) GS	2. OCC. SER. (4) 1350	3. OCC. FUNC. CD. (2) 51	4. OFF. TITLE CD. (5) 0001	5. OFF. TITLE (38) Geol						
6. HQ. FLD. CD. (1) 1 = HQ 2 = FLD	7. SUP. CD. (1) 8	1 = Sup. SGEG 3 = Mgr. SGEG 4 = Sup. CSRA		5 = Mgmt. CSRA 6 = Leader LGEG 8 = All Others		8. CLASS. STD. CD. (1) X = New Std. Applied Blank = NA		9. INTERDIS. CD. (1) N = No Y = Interdis	10. DT. CLASS (8) MO DAY YEAR 01/04/96	
11. EARLY RET. CD. (1) 1 = Primary 2 = Secondary		3 = Foreign Svc. Blank = NA		12. INACT / ACT (1) I = Inactive A = Active		13. DT. ABOL. (8) MO DAY YEAR		14. DT. INACT / REACT (8) MO DAY YEAR		15. AGCY. USE (10)
16. INTERDIS. SER. (40) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)										
17. INTERDIS. TITLE CD. (50) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5)										

C. INDIVIDUAL POSITION											
1. FLSA CD. (1) E E = Exempt N = Nonexempt	2. FIN. DIS. REQ. (1) OY 0 = None 1 = CD 219 2 = CD 220		3. POS. SCHED. (1) A = Sched A B = Sched B C = Sched C		0 = Excepted but not A, B, C		4. POS. SENS. (1) 1N 0 = Nonsensitive 1 = Noncritical 2 = Critical Sensitive	5. COMP. LEV. (4) 1350			
6. WK. TITLE CD. (4)		7. WK. TITLE (38)									
8. ORG. STR. CD. (18) 1st 2nd 3rd 4th 5th 6th 7th 8th 917820								9. VAC. REV. CD. (1) 0 = Position Action No Vacancy A = No Change B = Lower Grade C = Higher Grade D = Different title and / or series E = New Position / New FTE			
10. TARGET GD. (2)	11. LANG. REQ. (2)	12. PROJ. DTY. IND. (1) Blank = N/A Y = Yes	13. DUTY STATION (8) State (2) City (4) County (3) 20 4900 169		14. BUS. CD. (4) 7777	15. DT. LST. AUDIT (6) MO DAY YEAR		16. PAS. IND. (1) Blank = N/A 1 = PAS	17. DATE EST. (8) MO DAY YEAR		
18. GD. BASIS. IND. (1) 1 = Rev. when vacant 2 = Impact of Person 3 = Sup. / SGEG 4 = Sup. / Program 5 = RGE G 6 = Policy Analysis G E G 7 = Equipment Devel. Guide 8 = Agency Use 9 = Agency Use ALPHAS = Agency Use					19. DT. REQ. REC. (6) MO DAY YEAR		20. NTE DT. (6) MO DAY YEAR		21. POS. ST. BUD (1) Y Y = Perm N = Other		
22. MAINT. REV. / CLASS. ACT. CD. (2) (1st Digit = Activity and 2nd Digit = Results)											
Normal Act 1 = Desk Audit 2 = Sup. Audit 3 = Paper Rev. 4 = PME / Activity Rev.			Maintenance Review Act 5 = Desk Audit 6 = Sup. Audit 7 = Paper Rev. 8 = Panel Rev.			Results 1 = No Action Req. 2 = Minor PD Change 3 = New PD Req. 4 = Title Change 5 = Series Change 6 = Pos. Upgrade 7 = Pos. Downgrade 8 = New Pos. 9 = Other					
23. DT. EMP. ASGN. (8) MO DAY YEAR		24. DT. ABOL. (8) MO DAY YEAR		25. INACT / ACT (1) 1 = Inact. 2 = Act.		26. DT. INACT / REACT (8) MO DAY YEAR		27. ACCTG. STAT. (4) 0020		28. INT. ASGN. SER. (4)	29. AGCY. USE (8)
30. CLASSIFIER'S SIGNATURE						31. DATE					
32. REMARKS											

INTRODUCTION

This position is located on the Kansas State Office Engineering Staff. The incumbent serves as the geologist for determining and interpreting geologic conditions that have an effect on conservation practices throughout the state of Kansas.

SUPERVISION

Under the administrative supervision of the State Conservation Engineer, the incumbent independently plans and carries out professional and technical work with limited technical review. The supervisor indicates overall objectives, points out general problems, and furnishes guidance on critical issues and policy matters. Technical guidance is available from geologists of higher grade and technical specialists assigned to higher headquarters.

DUTIES

Coordinates geologic and soil engineering investigations in conjunction with planning and design of dam sites and other conservation practices. Evaluates existing geologic and soil mechanics data and investigates geotechnical features of a site that might influence the location, design, or safety of proposed structures. Consults with planning and construction or design engineer to determine the best location for principal and auxiliary spillways and the quantity of materials to be excavated. Locates, classifies, and estimates the amount of available borrow material. Prepares a comprehensive report of the findings to present recommendations relative to design and construction.

Personally supervises the investigation of complex works such as large floodwater retarding structures, high hazard earth dams, recreation dams and reservoirs, natural stream channel improvements, excessive reservoir seepage conditions, and critical sediment source areas. This frequently involves investigating conventional and unconventional aspects of geology and water quality issues. Tasks contain combinations of complex features, including unusual circumstances, incomplete data, and the need to vary approaches. The incumbent must interpret a variety of principals, guidelines, precedents, and practices in order to plan and carry out studies for which standard methods may be inadequate.

Personally supervises the investigation of geologic and ground water conditions for proposed conservation practices that are planned to improve ground and surface water quality such as livestock waste storage facilities and monitoring wells. Classifies soils to estimate the seepage potential for waste storage structures and other conservation practices.

Works closely with the Soils Mechanics Center laboratory personnel on field-testing and sampling of materials and field-testing equipment to develop the most efficient methods and procedures for geologic investigations to supplement laboratory testing and analyses.

Develops guidelines, standards, and procedures for field-testing foundation and embankment materials that are not adaptable for standard sampling and testing by the Soil Mechanics Center. Directs field tests to be made on these materials to obtain design information and construction specification data.

Serves as an expert on geologic issues and disseminates current geologic information to Natural Resources Conservation Service (NRCS) users and partners. Reviews geologic reports prepared by geologists and contractors, approving their reports or recommending changes and/or further geologic investigations. Correlates geologic investigations and works closely with design engineers on the field conditions and test results related to design problems. This requires an expert knowledge of a wide variety of complex conditions such as highly stratified and variable soils; varied seasonal distribution of precipitation; extremes in climatic conditions; high intensity summer storms; rain or snow events; and drainage problems.

Conducts channel stability (geomorphological) investigations and analysis that require an expert knowledge of soils and geology as related to sheet, rill, and gully erosion and sedimentation in streams and lakes in order to support overall ecosystem-based planning and conservation programs. Determines the value of project measures and channel stability on the environment.

Keeps abreast of latest developments in the field of stream mechanics, dynamics, and sedimentation pertinent to riparian areas in the region. Interprets, evaluates, and disseminates information of latest developments for adaptation by employees within Kansas. Maintains a reference library of technical publications on stream mechanics and dynamics, erosion, sedimentation, and related subjects necessary to support analysis and improvement of riparian areas.

Conducts public presentations of material relating to geologic investigations and environmental studies. Participates in interdisciplinary planning teams in formulation and analysis of plans that optimize national economic development and environmental quality objectives and alternatives.

Participates in the development of the geologic portion of the NRCS state policy and guidelines.

Performs other duties as assigned.

Works within a team concept to develop and implement ways to improve the efficiency, effectiveness, and quality of the products and/or services provided to internal and external customers.

Performs duties in a manner supportive of a safe and healthy work environment and exercises safety precautions when exposed to dangerous objects, chemicals, extreme temperatures, etc.

Performs duties in a manner that actively supports civil rights policies regarding personnel rules and regulations and delivery of NRCS programs and services without regard to race, color, national origin, religion, sex, age, marital status, or mental or physical handicap.

To perform the above duties, the incumbent must serve as an incidental motor vehicle operator. This may require the operation of a motor vehicle on both public and private roads during daylight hours and occasionally after dark. A valid state driver's license is required.

This position is determined to be exempt from the provisions of the Fair Labor Standards Act (FLSA).